

INDEX OF AUTHORS IN VOLUME 32

- Aasen AO, 546
Abbott D, S51
Abella BS, S425
Abir F, S87
Abraham E, 39, 332, S202
Abrams J, 2318
Adachi Y, S262
Adams AB, 144, 781, 2371, 2378
Adams CA, 760
Adams JW, 1689
Adamson PC, 2318
Adembri C, 1170
Adesanya AO, 1817
Adolph M, 1662
Adrie C, 1832
Afessa B, 1161, 1817
Agrawal R, 1041
Agustí C, 1225
Ahrens TS, 1796, 1928
Aigbirhio F, 1384
Aikawa N, 514
Aikou T, 1722
Aird WC, S193, S271
Ajayi T, 2293
Akhtar S, 2166, S126
Alaya S, 308
Albaiceta GM, 1241
Alber SM, 1453
Albert M, 1891
Albertson TE, 569, 617, 2173
Alblas EH, 774
Albuszies G, 1445
Aldabo-Pallas T, 1237
Al-Ghoul WM, 1730
Ali A, 691
Allaouchiche B, 1238
Allmond LR, 2293
Alm M, 2428
Alston TA, 1073
Altemeier WA, 2497
Alvarado JP, S425
Amato MBP, 2407
Amburn P, 450
American College of Critical Care Medicine, 256, 2117
An G, 2050
Anand KJS, 614
Anavy N, S393
Andersen CC, 2472
Anderson RJ, 1227, 1795
Anderson T, S425
Andersson J, 1
Andrades ME, 342, 1445, 2079
Andreoli R, 2437
Androulakis G, 1764
Aneja R, 2097
Anel R, 691
Angood PB, 263
Angus DC, 263, 638, 700, 1219, 1408, 1440, 1630, 2199, 2207
Anis AH, 391
Annane D, 312, 1832, 1928
Antonelli M, 1781
Anwaruddin S, 1866
Anzueto A, 13, 21, 1625
Arbour R, 599
Arikawa K, 1722
Ariyan CE, S146
Arlati S, 1860
Armas-Loughran B, 1237
Arnall J-M, 113
Arneson C, 21
Arnold JH, 894
Arntz HR, S432
Aronsky D, 2398
Arroliga AC, 592, 1709
Artigas A, 1695
Asfar P, 525
Ashton JL, 1327
Ashton RC Jr, 1327
Ashwood T, 241
Ashworth M, 2160
Assadian O, 887
Assithianakis G, 404
Assreuy J, 2304
Astiz ME, 1904, 1928
Auboyer C, 591
Audagnotto S, 1238
Aufderheide TP, S345
Auffray J-P, 811
Aukrust P, 546
Axelsson J, 2428
Axtelle T, 1100
Azoulay E, 1789, 1832, 2323
Baba Y, 201
Baber SR, 2300
Babin D, 644
Baccarelli A, 2071
Bagby GJ, 1740
Baggish AL, 1866
Bahrami S, 1093
Bailey DL, 1570
Baines P, 1806
Baines PB, 839
Bajzar L, S320
Bakhtiari K, 2416
Bakker J, 1, 21, 1100, 1625
Baldereschi G, 1125
Ball DE, 2199, 2207
Balvay P, 2443
Banks SM, 585, 2543
Barbarash OL, 1990
Barchuk WT, 2173
Bargiacchi O, 1238
Barie PS, 1618
Barkhordarian S, S174
Bar-Lavi Y, 1654
Barnato AE, 638, 1630
Bar-Or D, 1234
Barry A, S406
Bartels J, 2061
Bartlett RH, 201, 2104
Barton RP, 1990
Bates JT, 1260
Baue AE, 1093, 1440
Bauer I, 546
Bauer JA, 478
Bauer M, 546
Bauhofer A, 1899
Bayardelle P, 617
Beale RJ, 1662, 2525, S455
Becker LB, S406, S425
Beckert M, 2021
Beginning and Ending Supportive Therapy for the Kidney Investigatory, 1669
Beiser DG, S425
Bekes CE, 287, 1207
Bell D, 1241
Bell R, S87
Bellander B-M, 2428
Belle SH, 61
Bellenfant F, 1957
Bellomo R, 13, 916, 1669, 1983
Bellone A, 1860
Ben D-F, 77
Bendelja K, 1747
Benditt DG, 1555
Bendjelid K, 1081
Bennett ED, S448
Benoit DD, 307
Bercault N, 998
Berenholtz SM, 2014, 1236
Berg DT, 1570
Berg RA, 1352, S352, S393
Bergmair D, 1136
Bergmans DC, 126
Bergnach C, 2486
Berkenstadt H, 1550
Bernard GR, 106, 755, 955, 1695, 2199, 2385
Bernard S, 897
Berra L, 2071
Bertolozzi I, 1170
Bessis E, 580
Beutler S, 1981
Bey LH, 2191
Beynier D, 100
Bhalla MA, 1787
Bhalla V, 1787
Bhardwaj A, 1346
Biberthaler P, 472
Bienvenu J, 2329
Bigatello LM, 2090
Biguzzi E, S266
Biollaz J, 655
Birkmeyer CM, 1247
Birkmeyer JD, 1247
Bisera J, 553, S356, S366
Bjerke HS, 1435
Bjerre A, 433
Bjertnaes LJ, 766
Blackwell TH, S387
Blanch L, 1241, 2541
Blanche C, 714
Blasco G, 2443
Blatteis CM, 2131
Bleichner G, 1832
Blevin AE, 1984
Blobner M, 509
Bloodgood TA, 175
Bochud P-Y, S495
Boehm D, 1662
Boehme M, 1662
Bohé J, 2329
Bohm SH, 968
Boillot A, 2443
Boiteau PJE, 384
Boncinelli L, 1125
Bone H-G, 194, 1411
Bonora S, 1238
Bontemps F, 94
Bonten MJM, 126, S495
Booke M, 2492
Boque C, 2183
Borggreffe M, 520
Bornstain C, 1832
Bos AP, 1055
Bosari S, S266
Bose D, 184
Boselli E, 1238
Böttiger BW, S359
Bouadma L, 1563
Bouchard M-J, 644
Bouffard Y, 1832
Boulain T, 998
Bouletreau P, 591
Bouman C, 1669
Bourgeois JM, 2472
Bouvry D, 680
Bowton DL, 1080
Brückner UB, 525
Bracht H, 525
Brackenbury AM, 1155, 2503
Bradford D, 2191
Brah SS, 201
Brambrink AM, 2021
Brandtzaeg P, 433
Branger B, 722
Brant DO, 201, 2104
Bratton SL, 1438
Bredle DL, 1433, 1662
Breen DP, 21, 1625
Bregon F, 811
Breilh D, 1238
Brenn G, 1200
Breslow MJ, 31
Brimioule S, 1035
Briskin A, 1441
Britton DL, S381
Brivet FG, 1957
Broccard AF, 1872, 2371, 2378
Brockway M, 21
Brogan TV, 620
Bromet DS, 293
Bronskill SE, 1504
Brooks D, 1207

- Brower RG, 350
 Brown LAS, 675
 Brown PM, 976
 Bruining A, 1100
 Brun-Buisson C, S466
 Bruno MJ, 1997
 Bruschettini M, 131
 Brusletto B, 433
 Brvar M, 2128
 Buchman TG, 1178, 2159
 Buckley TA, 415
 Buckmaster J, 916
 Budev MM, 592
 Bull JL, 2104
 Bunc M, 2128
 Bunch TJ, 963
 Bunchman TE, 1805
 Bunnell E, 691
 Burchell SA, 1327
 Burck R, 904
 Burger D, 632, 1977
 Burke G, 31
 Burnham EL, 675
 Buskens E, 126
 Bütschi A-J, 655
 Butylin AA, 1990
 Cabassi A, 2437
 Caironi P, 2090
 Calandra T, 858, S495
 Caldwell E, 327
 Calinawan JR, 1247
 Callejas S, S406
 Camenzind E, 2166
 Cammarata G, S378, S440
 Campbell ML, 1839
 Canadian Critical Care
 Trials Group, 946, 1149
 Cantais E, 1983
 Caples SM, 1817
 Caputi AP, 157, 457, 1365
 Carcillo JA, S578, S591
 Carel Y, 1957
 Carey TS, 2219
 Carey V, 467
 Cariappa R, 986
 Cariou A, 660, S562
 Carlet JM, 858, 1510, 1601,
 1626, 1781, 2166, 2167,
 S445
 Carlson D, 1338
 Carney NA, 309
 Carpenter TA, 1384
 Carpentier J-P, 811
 Carreira F, 1227
 Carrier M, 644
 Carrol ED, 1806
 Carroll GC, 70
 Carson JL, 1237
 Carson SS, 2219
 Carter G, 1289
 Cassell J, 1781
 Cassidy C, 278
 Castillo C, S366
 Catalano P, 1365
 Cattaneo M, S266
 Cavalcanti M, 938
 Chalfin DB, 1219, 1406, 1928
 Chan JD, 1141
 Chan K, 391
 Chan VL, 372
 Chang TMS, 612
 Chang Y, 1346
 Chanson M, 1759
 Charbonneau P, 100, 708
 Charpentier J, 660
 Chatfield DA, 1049, 1384
 Chatterjee PK, 457
 Chatzigianni E, 1764
 Chau TTH, 1683
 Cheang M, 691
 Cheifetz IM, 1089, 2554
 Chelluri L, 61
 Chen J-S, 2477
 Chen L-W, 2477
 Chen X-L, 77
 Chen Y, 1130
 Chen Y-F, 1570
 Chenaud C, 632, 1977
 Cheng CAY, 415
 Cheng T, S247
 Cheng Z-Q, 184
 Chesnut RM, 309, 1438
 Cheung K-F, 372
 Cheuret S, 1832
 Chi EY, 2497
 Chiche J-D, 660, S313
 Chioléro R, 655, 1579
 Chittock DR, 911
 Cho C, S398
 Choi G, S309
 Chong TW, 53
 Chopin C, 495
 Chow A, 1041
 Chow C, 2061
 Christoforaki M, 404
 Christopoulou-Kokkinou V,
 1004
 Chu C-M, 372
 Chu EK, 168
 Chu P, 399
 Chuang C-C, 734
 Chuang Y-C, 734
 Chung DH, 1803
 Chuong LV, 1683
 Church DL, 992
 Cirioni O, 2486
 Ciulla MM, S266
 Claassen J, 832, 2509
 Claessens Y-E, S194
 Clah SD, S381
 Clark JC, 1384
 CLASS-I Investigators, 241
 Clay BA, 450
 Clec'h C, 1166
 Clementi E, 94
 Clemmer TP, 263, S595
 Clermont G, 700, 1440, 2061,
 2207
 Coen D, 1860
 Cohen J, 858, 1510, S466
 Cohen NH, 263
 Cohen Y, 1166, 1832
 Cole RP, 1240
 Coles JP, 1049, 1384
 Collin M, 826
 Colombo J, 1300
 Commichau C, 2509
 Committee on Hospital Care
 Section on Critical Care,
 1215
 Connelly JT, 1061
 Connery LE, 600, S116
 Connolly ES, 832
 Constantine G, 2061
 Conti MM, 2191
 Controlled Mortality Trial of
 Platelet-Activating Factor
 Acetylhydrolase in Severe
 Sepsis (COMPASS)
 Investigators, 332
 Convertino VA, S381
 Conway EM, S254
 Cook D, 1149
 Cook DJ, 946, 1588, 1922,
 2517, 2525
 Cooper AB, 2562
 Cooper C, 1289
 Cooper JB, 928
 Cooper LM, 2247
 Coopersmith CM, 607, 1178
 Coppo M, 1170
 Corbanese U, 1431
 Cordani N, S266
 Cordonnier C, S578
 Corona A, 1083
 Cortellaro F, 1860
 Corwin HL, 39, 594
 Couchman BA, 310
 Coursin DB, 600, S116
 Couture P, 644
 Cox CE, 2219
 Cox PN, 1781
 Crain BJ, 1346
 Crandall ED, 1219
 Crawford JH, 502
 Creteur J, 1825
 Crippen DW, 881, 1435
 Cristofaro P, 1510
 CRIT Study Group, 666
 Crnich CJ, 876
 Cross CE, 892
 Crouser ED, 478, 589
 Crowley L, 1141
 Csont T, 1332
 Cucchiara BL, 241
 Cui X, 1186, 1747
 Cupa M, 1166
 Curtis JR, 1141, 1484, 1648,
 1981, 2525
 Cuzzocrea E, 157, 457
 Cuzzocrea S, 157, 457, 1365
 Czer LSC, 714
 Czosnyka M, 1049
 Dahl K, 1327
 Dahle MK, 546
 Dahlem P, 1055
 Dahmer MK, 1115
 Dal Cero P, 1431
 Daley RJ, 2008
 Dal-Pizzol F, 342, 1445,
 1971, 2079
 Daly BJ, 1628
 D'Amato G, 2486
 Danis M, 1617, 1791
 Dara SI, 1817
 Dardik A, S174
 Dark P, 309
 Dasta JF, 1928
 Daubin C, 100
 Daum L, 2173
 Davidson BA, 747
 Davidson JE, 1964
 Davidson MT, 2464
 Davies DC, 1916
 Davis L, 2318
 Dawson AH, 88
 Day A, 2260
 Day NPJ, 1683
 Dayer J-M, 632, 1977
 De Backer D, 1825
 de Castro N, 680
 De Gaudio AR, 1170
 De Georgia M, 2164, 2403
 De Jaegere A, 443, 774
 de Jonge E, 2416
 de la Cal MA, 2160
 de Lassence A, 680
 De Marchi L, 2071
 de Neef M, 1055
 De Rosa FG, 1238
 de S. Volpe M, 2407
 de Vos AF, 1997
 Dean NC, 2398
 Deans KJ, 585, 2347, 2543
 Debard A-L, 2329
 deBoisblanc BP, 883
 Deitch EA, 533, 760, 2464
 Dejong CH, 2135
 Delliaux S, 811
 Dellinger EP, S513
 Dellinger RP, 282, 314, 315,
 858, 1207, 1601, 1626,
 2166, 2167, S445, S571,
 S595
 Deloche A, 1957
 Delude RL, 1453
 Demertsidis E, S406
 Demeyer I, 332, 2021
 Demling RH, 2356
 Dempfle C-EH, 520
 Denault A, 644
 Denenberg AG, 2097, 2284
 Deogaonkar A, 2403
 Deppen S, 955
 DePriest JL, 1626
 Depuydt P, 307
 Derchak PA, 2385
 Derhaschnig U, 1136
 Desan PH, S166
 Deutz NE, 2135
 DeVita MA, S61
 Devlin JW, 1415
 Dhainaut J-F, 332, 618, 660,
 2207, 2385, S193, S194,
 S562
 Dhaliwal R, 2260
 Dhingra VK, 911
 Dhondt E, 2021
 Di Iorio R, 131
 Di Paola R, 157, 457, 1365
 Di Perri G, 1238
 Di Rosa M, 457

- Di Serio C, 1125
Diaz E, 2183
Diefenbeck M, 2021
Diette GB, 350
Dijkgraaf MGW, 1055
Dik WA, 774
Dimopoulou I, 404
Ding C, 1570
Diringer MN, 559, 986, 1489, 2346
Dittus RS, 106, 955
Dmitrienko A, 1695
do Carmo AO, 818
Dodek J, 1306
Dodek PM, 391, 946, 1149, 1306, 1922
Doerfler M, 31
Doerr DF, S381
Doerschug KC, 489
Dogne J-M, 1886
Dogomori H, 1722
Doig CJ, 384, 981, 992, 2173
Doig GS, 1084, 1669
Dominguez TE, 1438, 2349
Donahoe MP, 61
Donaldson C, 981
Donaldson J, 1, 13, 21
Donati S, 113
Dondorp AM, 1683
Dongilli T, S61
Donnino M, 314
Doolan L, 916
Dorigo W, 1170
D'Orio V, 1886
Dorman T, 263, 1236, 1247, 1977, 2014, 2227
Dötsch J, 1200
Douglas SL, 1628
Douzinas EE, 2279
Downes F, 88
Downs JB, 1628
Dreyfuss D, 680, 1563, 1960
Dries DJ, 781, 2371, 2378
Drover J, 2260
du Cheyron D, 100, 708, 1421
Du EY, 832
Du YE, 2509
Dubois M-J, 312, 1825
Dugernier T, 332
Dugo L, 157, 457, 826
Duh M-S, 39, 666
Duke K, 184
Duma D, 2304
Dunagan WC, 727
Dunne JR, 2234
Dunne WM, 1178
Dünser MW, 1266, 1433
Durbin CG Jr, 263, 298
Durbin D, 2318
Durward A, 246
Dworschak M, 2367
Dziurdzik P, 2021
Earsing K, 358, 2014
Easley KA, 1771
EASy-Study Group, 1662
Edmondson R, 1207
Edmonton, 2565
Ehrlich HJ, 618
Eichacker PQ, 585, 2347, 2543
Eiserich JP, 892
Elliott MR, 2318
Elliott TB, 1484
Elman M, 1496
El-Shahawy MA, 1990
Elstad MR, 1434
Ely EW, 106, 955, 2199, 2352
Enders G, 472
Engelberg RA, 1141, 1484, 1648
Enkhbaatar P, 1425
Ensminger SA, 1161
Epstein SK, 295
Erstad BL, 428, 1277
Esmon CT, S193, S219, S298
Evangelou E, 2279
Evans HL, 53
Evans TW, 755, 1130, 1224
Evgenov OV, 766, 2562
Ewalenko P, 1035
Ewig S, 938
Ewy GA, 1352, S393
Faioni EM, S266
Faivre V, 1891
Falk JL, 263
Fanconi S, 1777
Fanelli V, 1018
Fang X, 1470
Fang Y-F, 2254
Farley JE, 2014
Farmer JC, 288, 1611
Fathizadeh P, 1300
Faust SN, 1777
Favory R, 495
Fazal N, 1730, 2267
Fedder W, 2191
Feen ES, 2311
Feihl F, 1872
Feissel M, 1832
Feketeova E, 533
Feleder C, 2131
Feltrim MIZ, 2407
Fenwick JC, 911
Fernald KB, S381
Fernández JA, S247
Ferrer M, 938
Ferrer R, 938
Ferrero S, S266
Ferri LE, 2152
Ferriere F, 1166
Fertmann J, 1011
Fesler P, 1035
Festic E, 1817
Fetita C, 1496
Fiaccadori E, 2437
Fiancette M, 94
Fick GH, 384
Fiedor ML, S72
Fields AM, 2300
Fifer MA, 1643
Filella X, 938
Finfer S, 1149
Fink H, 509
Fink LM, S325
Fink MP, 39, 604, 1239, 1453
Finkelman JD, 1161
Finney SJ, 1224
Firszt CM, 1990
Fischer MJ, 1795
Fischkoff S, 2173
Fishbein MC, 714
Fitzsimmons B-FM, 832, 2509
Flatebø T, 2039
Flechtenmacher C, 2392
Fleury J-C, 998
Florquin S, 1997
Fodale V, 2546
Foland JA, 1771
Fonseca S, 1844
Fontana G, S266
Fontanals D, 625
Forel J-M, 113
Formstecher P, 495
Forrest DM, 911
Forst H, 1662
Fortenberry JD, 1771
Fosse JP, 1166
Foster SJ, 546
Fournell A, 150
Fourrier F, S534
Foëx BA, 740
Fröba G, 525
Franchi F, S266
Francois B, 332
Frank JA, 1470
Frank JE, 806
Frankel HL, 1949
Franklin C, 884
Franklin JE, S425
Fraser GL, 1435
Fraser VJ, 727, 2450
Freebairn R, 296
Freid EB, 1949
Freise H, 194
Fridkin SK, 2450
Friesenecker BE, 1266
Fromm RE Jr, 256
Frossard JL, 1759
Fryer TD, 1384
Fuerst W, 311
Fujii T, 1904
Fujishima S, 514
Fulia F, 157, 457
Fulla Y, 660
Fumagalli S, 1125
Funakubo A, 2104
Funk SE, 1489
Fynboe KA, 1570
Gabazza EC, S262
Gadd ME, 478
Gannier M, 113, 1628, 1844
Gajic O, 1817
Galai N, 1654
Gallego M, 625
Galley H, 1093
Gallwitz B, 848
Gamelli RL, 2267
Gamper G, 378
Gandhi RR, 1949
García-Morales EJ, 986
Garcia C, 1643
Garcia VF, 450
Gardiner KR, 273
Garg R, 2199, 2207
Garnacho-Montero J, 1237
Garner D, 1753
Garrett-Mayer E, 2014
Gartung C, 1109
Gąsiorowski J, 2021
Gattinoni L, 250
Gaynor JW, 1061
Gazzolo D, 131
Gea-Banacloche J, 858, S578
Gehlbach BK, 1272
Gelman S, S356
Gelmont D, 1678
Gemmell LW, 1983
Gennarelli TA, 2191
Genovese T, 157, 457, 1365
Gensini GF, 1170
Gentile MA, 2554
Georgiadis A, 2311
Georgieff M, 525
Gerard P, 1886
Gerlach H, 858, 1601, 1626, 2166, 2167, S445, S451
Gerlitz B, 1570
Gettinger A, 39
Ghafer H, 2472
Ghali WA, 981
Ghez O, 811
Ghiselli R, 2486
Ghuysen A, 1886
Giacometti A, 2486
Giacosa R, 2437
Gianelli U, S266
Gibney N, 1669
Gibot S, 1223
Girbes ARJ, 313
Glass TF, 450
Glaxo Wellcome
International Septic Shock
Study Group, 1, 13
Glück T, 1100
Godinez RI, 1061
Goldgran-Toledano D, 1832
Goldsmith D, 916
Goldstein B, 602, 1420, 1438
Gonzales JP, 1709
Goodell KH, 278
Gopakumaran B, 2403
Gorbunov NV, 1028
Gordon BR, 878
Gordon SM, 106, 592
Gore DC, 2363
Goto M, 2267
Goyal A, 2267
Grabar S, 660
Grabowski EF, 2274
Graf J, 1109
Graf J-D, 632, 1977
Graham R, 278
Granath F, 2241
Grant MA, S336
Grat MJ, 1979
Grass G, 1792, 2343
Grasso S, 1018
Gratadour P, 1844
Greenstein RJ, 1254
Gregson DB, 992

- Grenouillet F, 2443
 Grenvik A, S2, S3, S41, S56, 2550
 Grenvik ANA, 263
 Gressner AM, 1109
 Griffin JH, S247
 Griffith L, 946
 Grimmering F, 217
 Grinda J-M, 1957
 Grinnell BW, 1570, S280
 Grobberg J, 1434
 Groeneveld ABJ, 899
 Groesdonk HV, 1239
 Grossman S, 1, 13, 21, 1625
 Grotberg J, 201
 Grove G, 21
 Grover R, 1, 13, 21, 1625
 Grubbs RL, 1570
 Gualis B, 2183
 Guertin M-C, 644
 Guitton C, 1832
 Günther A, 217
 Guntupalli K, 13, 1418
 Guo H, S247
 Gupta AK, 1049, 1384
 Gupta R, 2403
 Gurman G, 1654
 Gutteridge G, 916
 Gutteridge JMC, 755, 1130
 Guyatt GH, 946, 1149
 Guzman JA, 1839
 Györfy B, 1431
 Haas N, 2021
 Habet K, 691
 Hackney JE, 2422
 Hadengue A, 1759
 Hagl S, 2392
 Hahn EG, 1316
 Haire WD, 1990
 Haitsma JJ, 443, 774
 Halaszynski TM, S76
 Hall JB, 1272
 Halperin HR, S369
 Halpern NA, 1254
 Hampton RL, 928
 Hamza J, 565
 Han X, 1453
 Hanna BD, 1061
 Hansard PC, 932
 Hanson CW, 2552
 Hanson K, 2110
 Happ MB, 1977
 Hara J, 1678
 Harbarth S, 632, 1977
 Harkin DW, 273
 Harris CB, 727
 Harris F, 675
 Harrison PL, 955
 Hart G, 916
 Harvey MA, 1975
 Haseeb MA, 932
 Hasibeder WR, 1266, 1433
 Haskó G, 2464
 Hassan A, 307
 Hassan M, 2167
 Hatzis TD, 1777
 Hauer-Jensen M, S325
 Haupt MT, 263
 Hauser B, 525, 1445
 Havel C, 378
 Hayashi T, S262
 Hayden MK, 2450
 Hayon D, 1891
 Hayon J, 1832
 Hazard PB, 1689
 Hazelzet JA, S591
 Heard ML, 1771
 Heard SO, 1928
 Hedenstierna G, 1018, 1628
 Heger U, 2392
 Heidenreich JH, S393
 Heintz B, 1109
 Helfaer MA, 263, 1061, 2318
 Helinski JD, 747
 Helterbrand J, 2199
 Henchir J, 2110
 Heng K-S, 1535
 Her C, 1441
 Herbert DA, 70
 Herkner H, 378
 Hernandez M, 1284
 Herndon DN, 1803, 1879
 Herout PM, 428
 Herrmann P, 1018
 Hersch M, 439, 1441
 Hershko C, 439
 Heslet L, 2549
 Hess D, 2090
 Hess EP, S436
 Heuer JG, 1570
 Heyland D, 1149
 Heyland DK, 1922, 2260
 Hickey R, 290
 Hicklin G, 2173
 Hickman J, 2311
 Hidri N, 680
 Hien TT, 1683
 Higdon TA, S393
 Hill HA, 2450
 Hill NS, 1781, 2002, 2162, 2517
 Hilwig RW, 1352, S393
 Hinder F, 2492
 Hinds CJ, 1781
 Hirasawa H, 2085
 Hirayama Y, 2085
 Hirschl RB, 201, 2104
 Hoang P, 1166
 Hobson D, 2014
 Hochman R, 31
 Hodde NM, 1648
 Hoffman TM, 1061
 Hoffman W, 1866
 Hoffmann JE, 1662
 Hoffmann JN, 1011, 1851
 Hogg RS, 391
 Høiby EA, 433
 Hollenberg SM, 1928, S455
 Holloway VM, 2267
 Holmes CL, 1423, 1972
 Holmes GM, 2219
 Holmes KC, 1570
 Holmfield JHM, 2457
 Holst JJ, 848
 Holt AE IV, 299
 Holzapfel L, 1, 21
 Holzmüller CG, 2227
 Honoré PM, 896
 Hoover JM, 2300
 Horinouchi H, 539
 Horne MDK III, 2146
 Hornik K, 378
 Horst HM, 256, 263
 Horton JW, 1338
 Hoshikawa Y, 1910
 Hotchkiss JR, 144, 781, 1872, 2371, 2378
 Hotchkiss RS, 901, 1178
 Houdijk WPM, 520
 Howard A, 2219
 Hoyt DB, 1608
 Hsieh K-S, S374
 Hsu C-M, 2477
 Hsu D-Z, 227
 Huang C-D, 2254
 Huang DT, 314
 Huang L, S378, S440
 Huang M-S, 1391
 Huang P-Y, 2254
 Huang T-C, S374
 Huang Y-CT, 514
 Hubloue I, 1035
 Hubmayr RD, 1817
 Hudson LD, 327, 1289
 Huebner J, 467
 Huerta M, 439
 Huff JE, 478
 Hughes CM, 1981
 Hughes MG, 53
 Huh JW, 1438
 Hung C-J, 734
 Hunninghake GW, 489
 Hurford WE, 928
 Hursting MJ, 976
 Husain KD, 1178
 Hutchinson PJ, 1384
 Hwang B, 2477
 Ianaro A, 457
 Ibrahim IN, 2300
 Ibuki T, 795
 Idris AH, 1555, S381, S414
 Iglesias E, 1832
 Ikeda E, 514, 539
 Ilias I, 404
 Im KA, 61
 Imanaka H, 1546
 Ince C, 1963
 Ingbar D, 1219
 International Paediatric Meningococcal Thrombolysis Study Group, 1777
 Inthorn D, 1011, 1851
 Ioanas M, 938
 Isbister GK, 88
 Ishibashi H, 1910
 Ishihara H, 83
 Ishii KJ, 2045
 Ishizaka A, 514
 Issekutz AC, 760
 Ittenbach RF, 1061
 Iványi Z, 525
 Ivy ME, 263
 Izbicki G, 439
 Jacka MJ, 946
 Jackson JC, 106
 Jackson K, 1695
 Jacobs SJ, 307
 Jacobi J, 1435, 1800
 Jacobs A, S369
 Jacobs BR, 1990
 Jacobs H, 184
 Jacobs P, 1614, 2565
 Jacobsen G, 1637
 Jaff MR, 1990
 Jaimovich DG, 1215
 Jain M, 2260
 Jain N, S320
 Jakubowski JA, 1570
 Jalan R, 1436
 Janiszewski M, 818
 Janjua NA, 2509
 Jansen JRC, 787
 Januzzi JL, 1643, 1866
 Jaradeh S, 2191
 Jauregui L, 332
 Javadi P, 1178
 Jia SH, 1460
 Jilma B, 1136
 Jimenez M, S513
 Jochum M, 1851
 Johanson W, 1219
 Johansson MJ, 2039
 Johnson DH, 981, 2173
 Johnson MR, 888
 Johnson S, 2173
 Johnston AJ, 1049
 Jolliet P, 1844
 Joly L-M, 1832
 Joly-Guillou M-L, 680
 Jones AE, 1703
 Jordan MR, 278
 Jorgensen J, S466, S578
 Jorgenson DB, S387, S406
 Joshi MS, 478
 Josten C, 968
 Jourdain M, 1832
 Jovanovic Z, 700
 Joyce DE, S280
 Joynt GM, 415
 Juda R, S76
 Julian MW, 478
 Kabrisky M, 450
 Kacmarek RM, 928, 1358
 Kahnamouki K, 1588
 Kaltsas P, 580
 Kamada H, S262
 Kamohara T, 553
 Kanakura H, 1322
 Kandler MA, 1200
 Kantrow S, 883
 Kaplan LJ, 1120
 Kaplan V, 700
 Kapus A, 1460
 Karl IE, 901, 1178
 Karnad DR, 1294
 Karoubi P, 1166
 Kasal J, 700
 Kasner SE, 241
 Kastamoniti E, 1170
 Kasza KE, S425
 Katsaragakis S, 1764

- Katsaris G, 1004
Katz LM, 806
Katzenelson R, 1550
Kaul M, 2173
Kavanagh BP, 1240
Kavic SM, S92
Kavinsky C, 691
Kaye AD, 2300
Keegan MT, 1161
Keenan SP, 391, 1230, 2517
Keh D, 858, 1626, S527
Kehrel BE, 194
Keller U, 1715
Kelley MA, 1219
Kellum JA, 801, 1120, 1669
Kelly KM, 666
Kepros JP, 1234, 2167
Kerbaul F, 1035
Kerlin B, S233
Kern KB, 1352, S393
Kessler LA, 1115
Ketzer JT, S116
Khan AH, 963
Khan M, 1730
Khan-Boluki J, 2021
Khandoga A, 472
Khin L-W, 1535
Kidani Y, 1322
Kierulff P, 433
Kihara K, 1722
King LS, 1233
Kirby A, 1149
Kirchner T, 1316
Kirkman E, 740
Kirov MY, 766
Kirova SS, 766
Kiralani HM, 2472
Kirschenbaum LA, 1904
Kirtan OC, 1949
Klein E, 2110
Klein LW, 293
Klein M, 1654
Kline JA, 1703
Klinman DM, 2045
Klinzing S, 1433
Kljucar S, 332
Kloepfel R, 968
Klouche K, 553
Knapp J, 450
Knappertz VA, 241
Knaus WA, 1231
Knight G, 1777
Knight PR, 747
Knobel E, 818
Knoblich BP, 1637
Knotzer H, 1266
Knuepfer MM, 175
Kobayashi K, 539
Kobayashi M, 1879
Kobayashi S, 795
Kobilka B, 1041
Koch A, 1109
Koch S, 467
Kochanek PM, 309, 620, 1438, 2110, S2, S3, S41
Kocsis I, 1431
Kogan S, 1550
Koh H, 514
Kok JH, 443, 774
Kolh P, 1886
Kollef MH, 120, 137, 666, 727, 1396, 1796, 2450
Kollas S, 580, 2279
Kollmar R, 2357
Kolobow T, 1961, 2071
Komori E, 2104
Kondo T, 1910
Konrad D, 1192
Konstadoulakis MM, 1764
Kornacka M, 131
Kosek J, 1041
Kotake Y, 514
Kotani M, 514
Kotani T, 514
Kouyialis AT, 404
Kowalski RG, 832, 2509
Kozlow JH, 1236
Kreiter KT, 832, 2509
Krell K, 1808
Kress JP, 1272
Krishnan JA, 350, 1294
Krismer AC, S432
Krombach F, 472
Kron GK, 1115
Krueger WA, 467
Krueger-Rameck S, 467
Kubo H, 1910
Kuklin VN, 766
Kumar A, 304, 691
Kumar R, 2061
Kunz D, 1109
Kuo H-P, 2254
Kuteifan K, 998
Kvarstein G, 232
Kwak B, 1759
La Cava G, 1125
Lachmann B, 443, 774
Laffey JG, 1240
Laggner AN, 378
Lai L, S398
Lalu MM, 1332
Lamb NJ, 1130
Lambermont B, 1886
Lambert D, 811
Lammert F, 1109
LaMonte MP, 976
Lancel S, 495
Landry DW, 1327
Landucci D, 1598
Lane S, 358
Laplace C, 1832
Lapsia V, 1294
Lardo A, S369
Larvin M, 2457
Laschke MW, 1011
Lata J, 1990
Laterre P-F, 332, 2199, 2207, 2385
Laupacis A, 1504
Laupland KB, 384, 992
Laurindo FRM, 818
Laviolle B, 722
Le Coutour X, 708
Le Gall J-R, 13, 1832
Leatherman JW, 1542
Lebert C, 94, 1832
Lechner AJ, 175
Leclercq R, 708
Ledoux D, 2354
Lee C-H, 1391
Lee C-L, S374
Lee H, 981
Lee-Lewandrowski E, 1643, 1866
Legendre E, 94
Lehmann C, 609
Leier CV, 1228
Leite PF, 2407
Leiter JC, 1260
Lekka ME, 1434
Lemeshow S, 2173
Lepape A, 2329
Lesage A, 100
Leung W-s, 372
Lev A, 1654
Level of Care Study Investigators, 1149
Levi L, 1654
Levi M, 1086, 1375, 2416, S309
Levin M, 1777
Levine AS, S12
Levy F, 2169
Levy H, 2207
Levy MM, 39, 858, 879, 1149, 1588, 1601, 1626, 1966, 2002, 2167, S548, S595
Lewandrowski KB, 1643, 1866
Lewis JF, 1155, 2503, 2557
Lewis RJ, 1753
Li J-H, 1365
Li Z, 2131
Liao H-G, 77
Liaudet L, 2538, 2544
Liaw PCY, S214
Lienhart HG, S432
Light RB, 184
Lightfoot RA, 1984
Ligtenberg JJM, 1100, 1447
Lim MS, 1984
Lim S-C, 2371, 2378
Lim Y-P, 1747
Lin AWN, 372
Lin C-C, S374
Lin H-C, 2254
Lin MT, 569, 1391
Lin S-H, 399
Lin S-M, 2254
Lin Y-F, 399
Linde-Zwirble WT, 638, 1408, 2247
Lindner KH, S432
Linscheid P, 1715
Lipsett PA, 358, 1446, 2014
Litke A, 1527
Little RA, 740
Lituanian M, 131
Liu C-Y, 2254
Liu D, S247
Liu L, S302
Liu M-Y, 227
Liu SK, 1260
Lloyd CB, 649
Loc PP, 1683
Lodato R, 1
Lohmeyer J, 217
Longhi L, 1429
Lopez-Aguilar J, 1241
Lorente JA, 13, 21, 332, 1625
Lorenz S, 520
Lorenz W, 1899
Lorenzi-Filho G, 2407
Losser M-R, 1891
Low C-O, 1535
Lowenstein E, 1073
Lowry S, 332
López A, 21, 332, 1625
Lu K-C, 399
Lu Q, 533, 760, 1496, 2464
Lu W-H, S374
Lubomski LH, 2227
Luce JM, 1588
Ludwig DA, S381
Luiking YC, 2135
Lujan M, 625
Lurie KG, 1555, S345, S381, S398, S414
Luthringer DJ, 714
Lutz J, S61
Luyasu S, 632, 1977
Luyt C-E, 660
Lyden PD, 241
Lymp JF, 1161, 1817
Lynch G, 2311
Lytle MC, S233
Maas AM, 1375
MacArthur RD, 617, 2173
MacCallum RM, 2428
Maccioli GA, 1977
Macedo E, 1669
MacGillivray TE, 1866
Mach F, 1759
Macias WL, 2385, S223
MacIntyre NR, 39
Maciver C, 364
Mackman N, S293
Maeder P, 1579
Maggiore U, 2437
Maginnis M, 364
Mai NTH, 1683
Maier RV, S513
Maisei AS, 1787
Majewska U, 131
Maki DG, 1075
Malay M-B, 1327
Malbrun B, 708
Mallédant Y, 722
Mandel M, 1654
Mandera S, 2392
Manini P, 2437
Manning HL, 1260
Manning RA, 932
Manno EM, 1611
Manns B, 981
Manocha S, 2348
Mantz J, 1974
Marchetti O, S495
Marchetti P, 495
Marchionni N, 1125
Marcin JP, 1477

- Marik PE, 596, 1236, 1442, 1447, 1977
- Marini JJ, 144, 250, 302, 781, 1441, 2156, 2371, 2378, S548
- Marini M, 1125
- Marino BS, S398
- Marinoni E, 131
- Marion DW, S43
- Mariscal D, 625
- Mariscalco MM, 605
- Markert M, 1872
- Markhorst DG, 1241
- Marshall JC, 858, 1149, 1460, 2157, 2173, S513
- Marshall S, 691
- Marsik C, 1136
- Martet G, 1563
- Martin C, 1928
- Martin DP, 327
- Martin GS, 755
- Martin TR, 2360
- Martin-Lefevre L, 94, 680
- Martins MR, 2079
- Martling C-R, 2241
- Martyn JAJ, 509
- Marzi I, 2021
- Masada Y, 539
- Mascia L, 1018
- Mascia MF, 1435
- Masotti G, 1125
- Masry AE, 928
- Massey B, 602
- Massuda E, 1365
- Masur H, 858, 2167, S445
- Matern S, 1109
- Matson JR, 896
- Matsuda K, 2085
- Matsuda Y, 1910
- Matsuki A, 83
- Matsumura K, 795
- Matsushima K, 514
- Matter WF, S302
- Matthay MA, 583, 1470, S229
- Matuschak GM, 175
- Matute-Bello G, 2497
- Maus U, 217
- Mavrommatis AC, 1004
- Mayer SA, 832, 2509
- Mayo PH, 2422
- Mayr AJ, 1266, 1433
- Mayr VD, S432
- Mazzon E, 157
- McArdle F, 364
- McArthur C, 1542
- McAuley DF, 1470
- McCaig LA, 1155, 2503
- McCallion K, 273
- McCarthy K, 1709
- McClelland DB, 364, 1442, 1443
- McClintock DE, 583
- McDonagh JR, 1484
- McDonald E, 1149
- McDonald MC, 546
- McFaul SJ, 1028
- McGann E, 2509
- McGee W, 332
- McGuckin M, 1446
- McIvor WR, S66
- McKevitt D, 1904
- McKnite SH, 1555
- McLellan SA, 364
- McLuckie A, 1, 21, 1625
- McMahon MJ, 2457
- McPherson CA, 1809, S155
- Meade MO, 946
- Medina J, 1219
- Medkour F, 308
- Mehdian R, 1678
- Mehta S, 2547
- Meier DE, 1527
- Meier JJ, 848
- Meier-Hellmann A, 1433, 1662
- Meijers JCM, 2416
- Memos N, 1764
- Mendelsohn AB, 61
- Mendez JL, 1817
- Menenakos E, 1764
- Menger MD, 1011
- Menna-Barreto S, 342, 2079
- Menon DK, 1049, 1384
- Merlani PG, 632, 1977
- Merritt RK, 1771
- Merz LR, 2450
- Meshaka P, 409
- Messarais E, 1764
- Mette SA, 1260
- Meuli R, 1579
- Meyer EC, 1609
- Michazely M, 848
- Michard F, 308, 1981
- Michelet P, 811
- Michetti F, 131
- Michotte J-B, 1844
- Middeke M, 1899
- Mikawa K, 209
- Milanovich S, 2014
- Milbrandt EB, 955
- Miller FG, 852
- Miller HC, 309
- Miller M, 2173
- Millon L, 2443
- Minhas PS, 1384
- Mink SN, 184
- Minneci PC, 585, 2347, 2543
- Mira J-P, 660, S313
- Mirocha J, 714
- Mirsan TR, 2365
- Mirtaheri P, 232
- Mnatzaganian G, 1654
- Mocchegiani F, 2486
- Modesti PA, 1170
- Mok Q, 307
- Mokhtari M, 565
- Moldawer LL, 1100
- Molls RR, 2358
- Monari A, 1860
- Monick MM, 489
- Monkman SL, 2472
- Monneret G, 2329
- Morales IJ, 1161
- Mordon S, 495
- Moreira JCF, 342, 1445, 2079
- Moreno RP, 2525
- Morgan C, S421
- Morgera S, 1669
- Morimatsu H, 1669
- Morimont P, 1886
- Morisaki H, 514
- Moriyama K, 514, 2293
- Morlock LL, 2227
- Morris AB, 421
- Morris AH, 1409
- Morris C, 310
- Morris MC, 1061
- Morrison RS, 1527
- Morrisette C, 1028
- Morss AM, 1643
- Mortis G, 992
- Moss MM, 675, 2117
- Moss RE, 2565
- Moss RF, 1916
- Motte S, 1035
- Mouginis TL, 1990
- Mozina M, 2128
- Mueck JT, 2422
- Muff P, 655
- Mühlbayer D, 1851
- Müller B, 1715
- Müllner M, 1777
- Mumby S, 755, 1130
- Muniz GW, S381
- Munnur U, 1418
- Murdoch IA, 246
- Murphy GS, S554
- Murray MJ, 1949
- Muth H, 217
- Mutlu GM, 1607
- Muzzin A, 1637
- Na'amad M, 439
- Naber BA, 774
- NACRE Study Group, 708
- Nadkarni V, 2318, S398
- Naeije R, 1035
- Nagappan R, 305
- Nahmias C, 2472
- Naidech AM, 2509
- Nakamura M, 2085
- Nakos G, 1434
- Napolitano LM, 263, 301, 594, 1243, 1928, 2234
- Nasraway SA Jr, 278, 2150
- Natale DA, 1527
- Natanson C, 585, 2347, 2543
- Nates JL, 686, 2168
- Nath J, 1028
- Nathens AB, 2525
- Nauck MA, 848
- Navickis RJ, 2029
- Needham DM, 1247, 1504, 2227, 2565
- Nelson C, 1678
- Nelson DR, 2002, 2207, 2385, S223, S239, S280
- Nelson DW, 2428
- Nelson JE, 1527
- Nelson S, 1740
- Németh, 1431
- Neugebauer EAM, 1792, 2343
- Neumann A, 691
- Neureiter D, 1316
- Neurocritical Care Fever Reduction Trial Group, 559
- Neviere R, 495
- Newell JB, 1866
- Newton M, 1889
- Nguyen HB, 314, 1637
- Nicholson AG, 1130
- Nicolaysen A, 2039
- Nicolaysen G, 2039
- Nicolson S, S398
- Niederman MS, 2344
- Niemann JT, 1753
- Nieszkowska A, 1496
- Nietert PJ, 649
- Nipshagen MD, 313
- Nishida T, 1358
- Nishimura M, 1546
- Nishina K, 209
- Nitsun M, S554
- Noble DW, 1079, 1794
- Nordenberg MA, S11
- Nordlund A, 241
- Norena M, 391, 1306
- Nozari A, 2110
- Nozawa E, 2407
- Nuruki K, 1722
- Obara H, 209
- O'Brien JM Jr, 1980, S202
- Oda S, 2085
- Oddo M, 2538
- Odencrants P, 1310
- Odergren T, 241
- Odms K, 2097
- Ognibene FP, 263
- Ohashi A, 514
- Okawa H, 83
- Oldner A, 1192
- Olianti C, 1125
- Oliver JA, 1327
- Olivia CT, 1207
- Olsen KM, 1678
- Olson D, 144
- Opal SM, 332, 874, 1100, 1510, S578
- Opdam H, 916
- Oras JJ, S425
- Ordway GA, 1338
- Orlando F, 2486
- Orme JF Jr, 1434
- Oropello JM, 1417
- Orr RA, 256
- Ortiz-Leyba C, 1237
- Osborn TM, 2234
- Osmon S, 727
- Osredkar J, 2128
- Ostapovich N, 832, 2509
- Østergaard D, S58
- Ostrosky-Zeichner L, 882, 2553
- Ottervanger JP, 906
- Ouellet P, 644
- Ozaki-Okayama Y, 795
- Pachot A, 2329
- Packer DL, 963
- Padosch SA, S359
- Page K, 2284

- Pajk W, 1266
Panacek EA, 2173
Panigada M, 2071
Pankhaniya RR, 2293
Pannatier A, 655
Papalois A, 2279
Papanikolaou S, 1004
Papazian L, 113, 811, 1628
Parenti E, 2437
Parienti J-J, 708
Park K, 806
Park M, 2407
Parker MM, 858, 1097, 1808, S591
Parmar NK, 1916
Parodo J, 1460
Parra A, 2509
Parrillo JE, 282, 691, 1207, 1989, S455
Parsons PE, 1260
Parvin CA, 986
Pasquale M, 2234
Pastor CM, 1759
Pastores SM, 1254
Patel NSA, 457, 826
Patrick DL, 1484
Patsouris E, 2279
Patterson AJ, 1041
Paugam-Burtz C, 1974
Pavlovic D, 609
Pawlinski R, S293
Payen D, 1891
Pearl RG, 39
Pedro MA, 818
Pelinka LE, 1093
Pelletier SJ, 53
Pene F, S313
Pepe PE, S414
Perel A, 1550, 2562
Perkins D, 1570
Perl TM, 2014
Perrin G, 811
Peruzzi WT, S137
Peters SG, 288, 1161
Petros AJ, 2160
Pettignano R, 1771
Pfeiffer DR, 478
Phu NH, 1683
Piacentini E, 1241
Piarroux R, 2443
Picetti E, 2437
Pickard JD, 1049, 1384
Picker O, 150
Pier GB, 467
Pimentel JM, 1781
Pingat J, 1832
Pino RM, 1643
Pinski SL, 890
Pinsky MR, 61, 1440
Pisano B, 457
Plocher DW, 31
Pochar F, 1832
Poeze M, 2135
Pohlman AS, 1272
Poisson C, 1832
Polderman KH, 313, 2559
Poli de Figueiredo LF, 1426
Popp E, S359
Porchet F, 1579
Portnoy JD, 1061, 2349
Possamai C, 1431
Possmayer F, 1155
Potts E, 2191
Powers LS, 489
Powner DJ, 1284
Powsner S, S166
Pratesi C, 1170
Pratico C, 2546
Pravinkumar E, 315
Preiser J-C, 2354
Preisman S, 1550
Prentice D, 727
Presciutti M, 2509
Prescott RJ, 364
Pribble J, 332, 1100
Price SR, 1435
Priestley MA, 1438
Proctor RA, 876
Pronovost PJ, 1236, 1247, 1504, 2014, 2227, 2565, S595
Prough DS, 2363
Provencio JJ, 2403
PROWESS Investigators, 2199
Pruett TL, 53
Pugin J, 1759
Puig de la Bellacasa J, 938
Puntillo KA, 421
Purdie DM, 310
Purucker EA, 1109
Putensen C, 1628
Quartel AW, 714
Quasney MW, 922, 1115
Queral CA, 714
Quevedo J, 2079
Quinlan GJ, 755, 1130
Quintel M, 520, 1018
Quinton LJ, 1740
Rabb H, 1233, 2358
Rabinstein AA, 2332
Radell PJ, 2241
Radermacher P, 525, 1445
Radovsky A, 2110
Rady MY, 1630
Raedler CM, 1555, S414
Rahman SH, 2457
Raimondi F, 1083
Ramakers M, 100, 708
Rammelt S, 2021
Ramsay G, 126, 858, 1601, 2135, 2167, S595
Rana R, 1817
Ranieri VM, 1018
Rapidis AD, 2279
Rapoport J, 1614, 2565
Rascher W, 1200
Ratliff DA, S381
Ravindranath TM, 2267
Raymond DP, 53
Reaven NL, 1489
Rebuck JA, 1678, 2008
Redington A, S398
Redl H, 1093, 2021
Regli L, 1579
Reid C, 1771
Reignier J, 94
Reilly N, 839
Reinhart K, 332, 1100, 1433, 1662, 1781, 1801
Reinke A, 342, 2079
Reisbeck B, 1904
Rello J, 625, 2183
Remick DG, 2147
Renault A, 1832
Render ML, 1074
Renes MH, 1625
Rent K, S369
Resar RK, S595
Reske A, 968
Ressler JA, 1637
Revelly J-P, 655, 1579
Rhodes A, 1626, S448
Ribaud V, 2422
Ricard J-D, 680, 1563
Richard J-C, 409
Rickard CM, 310
Ricker RR, 1435
Rickert T, 638
Ricksten S-E, 1310
Ricou B, 632, 1977
Rigby AC, S336
Riggi V, 928
Riker RR, 1260
Riley PD, 2398
Ritter C, 342, 1445, 2079
Rivers EP, 314, 1637
Rives TE, 1284
Robert Wood Johnson Foundation ICU End-of-Life Peer Group, 638
Roberts RS, 2472
Robinson WM, 1241, 2562
Roch A, 113, 811
Rocha J, 2079
Rocker GM, 1149, 1922
Rodríguez A, 2183
Rodríguez-Capote K, 1155
Rogers FB, 2008
Rogers K, 1771
Rogers PL, S70, 1949
Rogers SK, 450
Roguin A, S369
Romand J-A, 2525
Romano PS, 1477
Ronco C, 1669
Ronco JJ, 911
Rondelet B, 1035
Rontogianni D, 580
Roossink EHP, 1375
Rosenal T, 384
Rosenbaum SH, S75
Rosenberg DI, 2117
Rosenblatt WH, S186
Rosenfeld BA, 31
Rosenthal RA, S92
Rosival V, 2564
Rossi P, 1192
Rotelli C, 2437
Rotello LC, 256
Rothe KF, 1662
Rotondi AJ, 61
Rotstein OD, 610, 1460
Rotta AT, 747
Rouby J-J, 1496
Rousseau C, S313
Roussos C, 404, 580, 2279
Roussou P, 404
Routsi C, 580
Roux-Lombard P, 632, 1977
Rozner M, 1809
Rubenfeld GD, 327, 638, 1141, 1289, 1484, 1981
Rubin HR, 2014
Rubinson L, 350
Rudehill A, 1192, 2428
Rudensky B, 439
Rudis MI, 1678
Ruehlmann S, 1899
Ruf W, S287
Ruiz AF, S381
Rullan M, 1904
Rumbak MJ, 1689
Runge I, 998
Rupp ME, 1678
Rusca M, 2538
Russell JA, 911
Russell JK, S387
Russo TA, 747
Russwurm S, 1801
Ryan KL, S381
Saba V, 2486
Sabharwal V, 2403
Saby C, 811
Sack F-U, 2392
Sackey PV, 2241
Safar P, 2110
Sagripanti S, 2437
Saibeni S, S266
Sakai H, 539
Sakas DE, 404
Sakoda M, 1722
Sakr Y, 1825
Salah A, 680
Salter G, 2457
Salvador R, 1049
Salvemini D, 157
Salvi VS, 1294
Salwen MJ, 932
Samonte VA, 2267
Samuelsson O, 1310
Sanchez M, 332, 2160
Sanchez O, 1832
Sanders AB, S393
Sandham JD, 384, 1070
Sandiumenge A, 2183
Sangean MC, 2407
Sanlorenzo L, 2284
Sarginson RE, 839
Saumon G, 1563
Savage EB, 1327
Sawa T, 2293
Sawafuji M, 514
Sawyer RG, 53
Sayeed MM, 1604, 1730, 2267
Scalise G, 2486
Schäbitz WR, S359
Schaechinger U, 2021
Schaefer JJ III, 2550, S2, S41, S56, S61
Schaefer DJ, 1715

- Schaller M-D, 655, 1872, 2538
 Scheeren TWL, 150
 Schelzig H, 525
 Schettino GPP, 1358
 Schetz M, 1669
 Scheuerer K, 1200
 Schildberg FW, 1011
 Schindler AW, 150
 Schlemmer B, 1832
 Schlifke I, 1136
 Schmidhammer R, 1093
 Schmidt B, 2472
 Schmidt SJ, 310
 Schmidt U, 1981
 Schmidt WE, 848
 Schneider RF, 2422
 Schnyder P, 1579
 Schoaff M, 525
 Schoenfeld DA, 2274
 Schoof E, 1200
 Schoots I, S309
 Schoots IG, 1375
 Schortgen F, 1563
 Schreiter D, 968
 Schubert A, 2403
 Schuerr DM, 1990
 Schulte B, S51
 Schultz MJ, 1997, S309
 Schulz GA, 1990
 Schulz R, 61, 1332
 Schwab S, 2357, S359
 Schwarte LA, 150
 Schwartz LB, 1990
 Schwartz SW, 1689
 Schwarz HP, 618
 Schwarz S, 1266
 Schweickert WD, 1272
 Sciacca RR, 1327
 Scott MG, 986
 Seboek D, 1715
 Sedeek K, 1358
 Seeger W, 217
 Seekamp A, 2021
 Segal E, 1550, 2562
 Segers P, 1886
 Seguin P, 722
 Seiwerts M, 968
 Selcer D, 1832
 Selman WR, 2311
 Sen S, 1436
 Senechia A, 2002
 Senfleben U, 1239
 Senkal M, 848
 Sepkowitz KA, S578
 Seres L, 2392
 Serra G, 131
 Serraino I, 157
 Sessler CN, 1219, 1413, 1979
 Sessler DI, 1899
 Sevransky JE, S548
 Shabot MM, 39
 Shah C, 120
 Shah JS, 290
 Shahbazian LM, 1740
 Shahpori R, 384
 Shanholtz C, 1613
 Shanley TP, 2284
 Shannon SE, 1484
 Shapiro MJ, 39
 Shapiro RS, 1542
 Sharma GR, 1570
 Sharshar T, 312
 Shaw CI, 928
 Shehab N, 1709
 Sheibani N, 2274
 Shemie SD, 2565
 Shi HP, 533
 Shieh M-H, 2254
 Shiga H, 2085
 Shiley KT, 747
 Shintani AK, 955
 Shoemaker WC, S8, 1300
 Shorr AF, 137, 666, 885, 1408
 Short K, 2002
 Sibbald WJ, 1504
 Sibbritt D, 88
 Siebert U, 1866
 Siegel RE, 1527
 Sielenkämper AW, 194
 Signouret T, 722
 Sigurdson G, 1555, S398
 Silva E, 818
 Silva-Santos JE, 2304
 Silverman DG, 2166, S75, S76, S126
 Silverman HJ, 852
 Silverman MS, 21, 1625
 Silvester W, 916
 Silvestri C, 2486
 Silvestri GA, 649
 Simchen E, 1654
 Similowski T, 409
 Simms HH, 502, 1186, 1747
 Simon L, 565
 Simon M, 391, 1433
 Simona Del Prete M, 2486
 Simonson DA, 781, 2371, 2378
 Sinclair SE, 2497
 Singer M, 1083
 Sinh DX, 1683
 Sinuff T, 1588, 2517
 Sirio CA, 61
 Sjöberg J, 766
 Sjökvist P, 1149
 Skepper JN, 1384
 Skerlavaj B, 2486
 Skerrett SJ, 2525
 Skurnick J, 533
 Sladen RN, 263
 Slonim AD, 299
 Slungaard A, S331
 Slutsky AS, 168, 1018
 Smielewski P, 1384
 Smith RL, 53
 Smithies M, 13
 Smolinski M, 520
 Snyder D, S356, S421
 Son H, S425
 Song M, 801
 Song X, 350
 Soós P, 2392
 Sosa JA, S146
 Souza S, 332, 1100
 Sovershaev MA, 766
 Spanaki MV, 2191
 Speroff T, 955
 Spight D, 2284
 Spinelli JJ, 391
 Spray TL, 1061
 Sprung CL, 1654, 2323, S527
 St. Sauver JL, 1817
 Stadlbauer KH, S432
 Stahmer SA, 1798
 Stallone JN, 1620
 Stanford SJ, 1130
 Stanik-Hutt J, 421
 Stanzel S, 1109
 Stapleton RD, 2525
 Steendijk P, 1087
 Stefanec T, 1626
 Steinberg KP, 1141, 1648
 Steiner LA, 1049
 Steingrub J, 21, 1625
 Steintraesser L, 2556
 Stemp LI, 1631
 Stephens EJ, 1570
 Stephens RK, 106
 Sternik L, 1550
 Sterz F, 378
 Stezoski SW, 2110
 Stichert B, 968
 Stiles RA, 955
 Stocchetti N, 1429
 Stone DJ, 31
 Stone KR, 1809, S155
 Strauss K, 358
 Strauss R, 312, 1316
 STRIVE Study Group, 1695
 Stromberg PE, 1178
 Stroobants J, 2021
 Stubbe HD, 2492
 Suarez JJ, 2311
 Subbe CP, 1983
 Suchodolski K, 1358
 Sugawara T, 1910
 Sullivan DM, 1703
 Sun S, 238, 553, S378, S440
 Sunstrom C, 2191
 Suput D, 2128
 Suresh S, 614
 Suri MF, 2311
 Surviving Sepsis Campaign Management Guidelines Committee, 858, 1626
 Susla GM, 137, 1928
 Suzuki F, 1879
 Suzuki H, 2362
 Suzuki K, S262
 Suzuki S, 144, 1910
 Svoboda P, 1990
 Swoboda S, 1446
 Swoboda SM, 358
 Swärd K, 1310
 Szabó C, 2392
 Szabó G, 2392
 Szalados JE, 291, 1071, 1623, 2351
 Sznajder JI, 1607
 Szokol JW, S554
 Tabata T, 1910
 Tabbutt S, 1061
 Taboada F, 1241
 Taccone P, 2090
 Tachibana K, 1546
 Taguchi O, S262
 Taiberg L, 304
 Takahashi H, 1879
 Takahashi T, 144
 Takala J, 1, 21, 1625
 Takao S, 1722
 Takao Y, 209
 Takeda J, 514
 Takemoto Y, 1322
 Takeoka S, 539
 Takeuch M, 1358
 Takeuchi D, 1879
 Takeuchi M, 1546
 Takkenberg JJM, 714
 Talmor D, 1970
 Tamul PC, S137
 Tamura M, 2293
 Tan I, 1669
 Tan K-C, 1535
 Tan PYH, 415
 Tanabe T, 83
 Tanaka Y, 795
 Taneja R, 1460
 Tang W, 238, 553, 1428, 2154, S343, S356, S378, S440
 Taniguchi T, 1322
 Tanios MA, 295, 2002
 Tanner AJ, 1771
 Tanvetyanon T, 2148
 Tarantini F, 1125
 Tardif J-C, 644
 Tasaka S, 514
 Tassaux D, 1844
 Tayal VS, 1703
 Taylor A, 1683
 Taylor N, 839
 Tchana-Sato V, 1886
 Tegetmeyer K, 602
 Teoh L, 2173
 Teres D, 295, 1614, 2565
 Terragni P, 1018
 Texereau J, S313
 Thalassinou N, 404
 Thenoz-Jost N, 94
 Theodoridis T, 1004
 Thiernemann C, 457, 546, 826
 Thijs LG, 1781
 Thirion X, 113
 Thomas P, 811
 Thomason JWW, 106, 2352
 Thompson BT, 1289, 1643, 1695, 1781
 Thompson CL, 421
 Thompson DA, 2227
 Thompson W, 1306
 Thorburn K, 246
 Thorne PS, 489
 Tibby SM, 246
 Tighe D, 1916
 Tilley J, 391
 Timsit J-F, 1616, 1832
 Tiniakos D, 2279
 Tisherman SA, S46, 2110

- Tolley EA, 922
Tolwani A, 1669
Tomaszewicz P, 31
Tomlanovich MC, 1637
Tønnessen TI, 232
Torossian A, 1899
Torres A, 938, 1225, S466
Totaro R, 1928
Toung TJK, 1346
Townsend S, S595
Traber DL, 1425, 2492
Traber LD, 2492
Tracy JK, 2234
Tran V, 2443
Traystman RJ, 1346
Tredici S, 2104
Treece PD, 1141, 1484, 1648, 1981
Treggiari MM, 327
Treluyer J-M, 565
Trento A, 714
Trifa M, 565
Truman B, 106, 955
Truncate T, 1689
Truog RD, 1241, 2562
Trzeciak S, 1785, S571
Tsagarakis S, 404
Tsai M-C, 734
Tsangaris I, 1434
Tschaikowsky K, 1100
Tsoukalas GD, 2279
Tsubo T, 83
Tsuchida E, 539
Tsuda Y, 1879
Tulleken JE, 1447
Tung RH, 1643
Turi JL, 1089
Turnbull IR, 1178
Turner T, 1100
Tweddell JS, 1091
Tweeddale M, 911
Uchino S, 916, 1669
Uchiyama T, 1453
Ueda M, 795
Ueno H, 2085
Ueno S, 1722
Ulmer H, 1266
Um SL, S302
Uman GC, 1489
Ungar A, 1125
Upton RL, 1130
Usichenko TI, 609
Vallet B, 2385
Valoti P, 1125
Valsson F, 1310
Values Ethics, & Rationing in Critical Care (VERICC) Task Force, 1588
van Aalderen WM, 443, 1055
Van Aken H, 194, 2492
Van Albert S, 1028
Van de Wouwer M, S254
van der Hoeven JG, 1625
van der Horst ICC, 906
van der Poll T, 1086, 1997, S309
van der Voort PHJ, 2166
van der Werf TS, 1447
van Genderingen HR, 787, 1241
van Griensven M, 2021
van Gulik TM, 1375
van Kaam AH, 443, 774
van Melle G, 1579
Van Meter L, 2173
van Nieuwenhoven CA, 126
van Saene HKF, 839, 2160
van Tiel FH, 126
van Vliet AK, 1375
van Vught AJ, 787
van Westerloo DJ, 1997
van Zanten ARH, 313
Vanden Hoek TL, S425
Vandewoude KH, 307
Vannay C, 1872
Vanni S, 1170
Varelas PN, 2191
Vásárhelyi B, 1431
Vassilev D, 525
Veatch RM, 597
Vecchi M, S266
Veldhuizen R, 1155, 2557
Veldhuizen RAW, 2503
Vender JS, 1219, S554
Venet F, 2329
Venkataraman R, 801
Verdant CL, 312
Verheij J, 899
Verrier V, 100
Vespa PM, 902, 1621
Vespa J, 2002
Vettorello M, 1860
Veys P, 307
Vidaaur L, 2183
Vieira S, 1496
Villagrà A, 1241, 2541
Vincent J-L, 858, 1695, 1825, 1928, 2029, 2385, S209, S451, S455
Vinsonneau C, 660, S562
Vlahos CJ, S302
Vodovotz Y, 2061
Voelckel WG, 1555
Vogel P, S359
Vogt J, 525
Vollmar B, 1011
von der Hardt K, 1200
Voumvourakis C, 1764
Vu A, 832
Vundelinckx G, 2021
Wachter U, 525
Waldmann CS, 2525
Walker JB, S320
Walley KR, 2348
Wallin M, 2428
Walsh TS, 364, 1442, 1443
Walther SM, 2039
Wanecek M, 1192
Wang C-H, 2254
Wang G, 1740
Wang G-Q, 77
Wang H, S61, S425
Wang Ji, 553, S440
Wang Ju, S325
Wang JE, 546
Wang J-S, 2477
Wang J-Y, 399
Wang P, 502, 1186, 1747, S320
Wang Y, 806
Wardrip CL, S425
Ware LB, 2525, S229
Warren B, 332
Warren DK, 2450
Warren J, 256
Warshaw BL, 1771
Wasmuth HE, 1109
Wasserfallen J-B, 655
Waterer GW, 1115
Waters H, 1247
Watkins SK, 1453
Watson D, 1, 13
Watson RS, 638, 700
Weaver B, 1149
Webster N, 1093
Wehler M, 312, 1316
Wei D, 77
Weil MH, S8, 238, 553, 1237, 1428, 1443, 2154, S343, S356, S366, S378, S440
Weiler H, S233
Weiss J, 600
Weiss NS, 327
Weissfeld LA, 638, 700, 2199
Weitzberg E, 1192, 2428
Welage LS, 1415, 2008
Wen Y-S, 1391
Weng K-P, S374
Wenzel V, 1266, 1433, S432
Wernovsky G, 1061
West S, 520
Westenburger B, 1316
Westphal M, 194, 1411, 1425, 2492
Wewers MD, 478
Weyhe D, 848
Whalen MJ, 2274
Whetstone LM, 881
White CA, 421
White DJ, 1338
White NJ, 1683
White RD, 963, S387, S436
Whitehead T, 168
Whyte IM, 88
Wiedermann CJ, 1968
Wiener-Kronish JP, 2293
Wigginton JG, S414
Wijdenes J, 1136
Wijdicks EFM, 2332
Wiklund A, 2039
Wiklund RA, S106
Wild LR, 421
Wilkes MM, 2029
Willatts S, 21, 1625, 1662
Willeit M, 378
Williams EM, 1983
Williams M, 1346
Wilmshurst P, 1983
Wilson DL, 1260
Wintermark M, 1579
Winters BD, 2014
Wittebole X, 332
Wo CCJ, 1300
Wolf M, 998
Wolk DA, 241
Wolowicka L, 2021
Wong C-H, 1535
Wong HR, 391, 2097, 2284
Wong IWY, 372
Woolsey CA, 1178
Wrigge H, 1628
Wright LA, 781
Wu AW, 2227
Wu R, 1186, 1747
Wu X, 2110
Wulf HF, 1899
Wunderink RG, 922, 1077, 1115
Wurst M, 520
Wygrecka M, 217
Wysocki M, 409
Xia Z-F, 77
Xiao RP, 1041
Xie J, 238
Xu DZ, 533, 760, 2464
Xu W, 1365
Yaffe L, S51
Yamada H, 2045
Yamamoto K, 1322
Yamamoto M, 539
Yamazaki Y, 795
Yan SB, 618, S194, S239, S302
Yang R, 1453
Yang S, 502
Yannopoulos D, 1555, S398
Yao L-J, 1155, 2503
Yap FHY, 415
Yasuhara S, 509
Yates G, 31
Yatsu Y, 83
Yavagal DR, 2509
Yeh T-M, 734
Yende S, 922
Yndestad A, 546
Young A, 806
Young C, S356, S366
Young GB, 1804
Young MP, 1260
Yu T, 238
Yu Z-X, 2071
Zaidat OO, 2311
Zakynthinos EG, 1004
Zakynthinos SG, 1004
Zandstra DF, 2166
Zanetti M, 2486
Zanotti S, 691
Zanotti-Cavazzoni S, 1928
Zauch GM, 1028
Zaza S, 2166
Zeiber BG, 1695
Zeme D, 1238
Zeng W, S302
Zenri H, 1155
Zenz W, 1777
Zhang J, 1365
Zhang P, 1740
Zhang Q, 1115
Zhang T, 1570
Zhao B, 2284
Zhao D, S425
Zhou M, 502, 1186, 1747

Zhu W, 1041
Zielinski TM, 1555
Zigelman C, 1441
Zijlstra F, 906
Zijlstra JG, 1447

Zimmerman GA, 1434
Zimmerman JL, 858, 1436,
S542
Zingarelli B, 613, 1603
Zitser-Gurevich Y, 1654

Zlokovic BV, S247
Zoehrer B, 1777
Zoufaly A, 378
Zsengellér Z, 2392
Zulewski H, 1715

Zumtobel V, 848
Zuppa AF, 2318
Zveibil F, 1654
Zviman MM, S369
Zygun DA, 384, 992

A

- Acetylcholine receptors
 - pancuronium upregulation of, 509
- N-Acetylcysteine
 - for carbon tetrachloride-induced liver failure, 2079
 - in endotoxemia, 525, 610
 - for sepsis, 342, 589, 1093, 1445, 1446
- Acetylhydrolase
 - in ARDS, 1434, 1435
 - for sepsis, 332, 585
- Acid-base balance
 - vascular injury and, 1120, 1227
- Acidified infant formula
 - partial liquid ventilation for lung injury from, 209
- Acidosis
 - assessment of, 1227, 2563
 - in falciparum malaria, 1683, 1795
 - lorazepam and, 1709, 1800
 - vascular injury and, 1120, 1227
- Activated partial thromboplastin time
 - for sepsis and DIC diagnosis, 520
- Activated protein C. *See also* Protein C
 - endogenous
 - endothelial cell protein C receptor and, S298
 - innate immunity and, S280
 - ischemia/reperfusion injury and, S309, 1375
 - ischemic stroke and, S247
 - lung remodeling and, S262
 - microcirculatory actions in sepsis, 1011, 1086
 - multiple organ failure and, S194
 - platelet factor 4 and, S331
 - protein S and, S336
 - in sepsis, S194, S214
 - recombinant
 - bovine thrombin
 - hypersensitivity and, 311
 - coagulation and, S309
 - endothelial cell permeability and, S302
 - for endotoxemia, S202
 - evidence-based review of, S534
 - factor V Leiden
 - polymorphisms and, S239
 - inflammation and, S309
 - innate immunity and, S280
 - ischemia/reperfusion injury and, S309
 - long-term outcomes of, 2199, 2347, 2348
 - mortality and resource utilization with, 2207, 2347, 2348
 - rho kinase signaling and, S302
 - for sepsis, S194, S202, S534, 618
 - sources of variability on treatment effect
 - estimates for, 2385, 2542
 - substantiating concerns about, 2542
- Activator protein-1
 - peptidoglycan-induced organ injury, 546, 613
- Acute lung injuries. *See also* Ventilator-associated lung injuries
 - albumin and antioxidant status in, 755, 892
 - alcoholism and E-selectin levels in, 675
 - alcoholism and elevated E-selectin levels in, 883
 - beta-adrenergic agonists for, 1470, 1607
 - electrical impedance tomography monitoring of, 787, 894
 - hyperoxia exacerbation of, 2496, 2556
 - hyperoxia-induced, 1156
 - low vs. high tidal volume and, 2471, 2553
 - lung overinflation and, 1496, 1613
 - lung-protective ventilation for, 1288
 - neutrophil elastase inhibitors for, 1695
 - oxidative stress in, 892
 - from *P. aeruginosa*, 2293, 2360
 - partial liquid ventilation for, 2085
 - prostacyclin for, 1055, 1089
 - protein C levels in, S229
 - pulmonary edema
 - monitoring in, 811, 899
 - recruitment maneuvers for, 1441, 1442, 2371, 2378, 2540
 - secondary acquisition of, 1817, 1960, 1961
 - in sepsis, 489, S548
 - small tidal volumes for, 1260
 - tezosentan for, 766
 - in trauma patients, 327, 583
- Acute medicine
 - Peter J. Safar and, S3
- Acute Physiology and Chronic Health Evaluation II Score. *See* APACHE scores
- Acute renal failure
 - atrial natriuretic peptide for, 1310, 1421
 - diuretics for, 1669, 1794
 - renal replacement therapy for, 2437
- Acute respiratory distress syndrome. *See also* Acute lung injuries
 - alcoholism and elevated E-selectin levels in, 675, 883
 - carboxyhemoglobinemia in, 2537
 - dead space ratio in, 1441
 - dorsal lung density and prone position in, 83
 - endothelial cell apoptosis in, 2464
 - heme oxygenase-1 in, 1130
 - lung-protective ventilation for, 1288
 - neuromuscular blocking agents and gas exchange in, 113, 296, 1628, 1629
 - neutrophil elastase inhibitors for, 1695
 - platelet-activating factor acetylhydrolase in, 1434, 1435
 - prone position for, 1441
 - protein C levels in, S229
 - recruitment maneuvers for, 1441, 1442, 2371, 2378, 2540
 - right-to-left shunt in, 308
 - sepsis-induced, S548
 - small tidal volumes for, 1260, 1409
 - surfactant protein B and, 1115
 - survey of therapeutics for, 946, 1079
 - in trauma patients, 327, 583
 - ventilator-associated lung injuries and, 1817, 1960
 - ventilatory management of (review), 250
- Adenosine
 - in immunomodulation of organ dysfunction, 273
- Adenosine triphosphate
 - Pco₂ for detection of muscle ischemia and, 232
- Adhesion molecules
 - in hemorrhagic shock, 760
 - in septic shock, 1904
- Adipocytes
 - in sepsis, 1715, 1801
- Admissions
 - for community-acquired pneumonia, 2398
 - to ICUs vs. care in regular units, 1654, 1791
 - July ICU admissions and outcomes, 1161
 - mortality-based prediction of, 70
 - obstetric, 1294, 1418
 - rationing critical care beds and, 1588, 1623
 - readmission of ICU survivors, 391
- Adrenal insufficiency
 - apolipoprotein A-I and, 1977
 - in traumatic brain injury, 404, 596, 1447, 1448
- Adrenergic agents
 - for sepsis, 1916
- Adrenergic receptors
 - for myocardial protection in heart failure, 1041
- Adrenoreceptors
 - norepinephrine-induced pressor response and, 2300
- Adverse events
 - in airway management, 2227, 2349
- Aerosols
 - for regional ventilation measurement, 2039, 2156
 - for surfactant depletion, 1200
- Afelimomab
 - for severe sepsis, 2173, 2343
- Age
 - preoperative care and, S92
 - quality of life after prolonged mechanical ventilation and, 61, 291
 - survival and quality life after cardiac arrest and, 963, 1081
- Airway management
 - computer-controlled patient simulator for, 2422, 2549

- errors and adverse events in, 2227, 2349
preoperative planning for, S186, 1984
- Airway obstruction
from *Aspergillus* tracheobronchitis, 580
endotracheal tube intraluminal volume loss and, 120, 298
- Airway pressure-time curve in acute lung injury, 1018
- Albumin
in acute lung injury, 755, 892
vs. crystalloid fluids, 2029, 2154
- Albumin dialysis
for poisoning and overdoses, 1436, 1437
- Albuterol-enantiomers for acute lung injury, 1470, 1607
- Alcohol-based antiseptics for central venous catheter infection prevention, 708, 887
- Alcoholism
E-selectin levels in ARDS and, 675, 883
- Alveolar recruitment maneuver. *See* Recruitment maneuvers
- Alveolar-capillary barrier atrial natriuretic peptide and, 2491
- American Thoracic Society criteria
for community-acquired pneumonia, 2398
- 1-Aminobenzotriazole in sepsis, 502
- Aminoglycosides
once-daily vs. multiple daily doses of, 1678
- 5-Aminoisoquinolinone for hepatic ischemia-reperfusion injury, 472, 605
- Amplitude spectrum area for timing defibrillation, S356
- Analgesia
sepsis and, S554
- Anemia
erythropoietin receptor and, 1234
red blood cell transfusion for, 39, 290, 364, 594, 1442, 1443, 1444
- Anesthesia
airway management planning for, S186, 1984
preoperative assessment for, S76
simulation training for, S58
- Anesthetic Conserving Device for isoflurane delivery, 2241
- Angiotensin converting enzyme polymorphisms in cardiopulmonary bypass patients, 922, 1073
- Animal models
for sepsis, S219
- Anion gap
in falciparum malaria, 1683, 1795
lorazepam and, 1709, 1800
vascular injury and, 1120, 1227
- Anti-CD14 monoclonal antibody
for sepsis and multiple organ failure, 1100, 1223
- Anti-L-selectin monoclonal antibody
for multiple trauma patients, 2021, 2152
- Anti-tumor necrosis factor therapy
for sepsis, 2061, 2173, 2343
- Antibiotics
for enterococcal infections, 467
medical order sheets for, 655, 882
for pneumococcal pneumonia, 625, 876
rotating empirical schedules for, 53, 2450
for sepsis, 489
for sepsis and septic shock, S495
for staphylococcal sepsis, 2485, 2555
for ventilator-associated pneumonia, 2183, 2344
- Anticoagulation
protein S and, S336
- Antifungals
for candidiasis prevention, 2443, 2552
for sepsis and septic shock, S495
- Antimicrobial peptides
for staphylococcal sepsis, 2485, 2555
- Antimicrobial resistance. *See* Bacterial resistance
- Antimicrobials
for sepsis and septic shock, S495
- Antioxidants
in acute lung injury, 755, 892
for carbon tetrachloride-induced liver failure, 2079
for oxidative stress in sepsis, 342, 589
for sepsis, 610, 1445, 1446
- Antiplatelet therapy
drug-releasing stents and, 2166
- Antithrombin
coagulation changes in sepsis and, 1851, 1968
for ischemia/reperfusion injury, 1375
for sepsis, S542
- Antiviral agents
for sepsis and septic shock, S495
- Aortic aneurysm repair
neurologic outcomes of, 1346, 1426
SIRS and, 1170, 1233
- APACHE scores. *See also* Scoring systems
- Apolipoprotein A-I
high-density lipoproteins and, 1977, 1978
SIRS and, 632, 878, 1978
- Apolipoprotein A-I
adrenal insufficiency and, 1977
- Apoptosis
adrenergic receptors protect against, 1041
endothelial cell apoptosis in hemorrhagic shock, 2464
endothelial cell apoptosis in sepsis, 901
iron supplementation and, 1178, 1234
neuron apoptosis in sepsis, 1764, 1804
of neutrophils in sepsis, 1460, 1604
nicotinamide adenine dinucleotide phosphate (NADPH) in, 818
nuclear factor- κ B in sepsis and, 1239
- Argatroban
for heparin-induced thrombocytopenia, 976
- Arginine metabolism
in sepsis, 2134
- Arginine vasopressin
gut microcirculation in sepsis and, 194
hemodynamic effects of, 1891, 1972
for vasodilatory shock, 1266, 1411, 1433, 1434
- Arterial blood analysis
optimal discard volumes for, 310, 311
- Arterial blood pressure
inspiratory impedance threshold device for, 1555
- Artificial intelligence
for hemorrhage volume calculations, 450, 602
- Aselizumab
for multiple trauma patients, 2021, 2152
- Aspergillus* tracheobronchitis
respiratory failure and airway obstruction from, 580
- Aspiration
of subglottic secretions, 2071, 2160
- Aspiration pneumonia
vs. aspiration pneumonitis, 1236
bacterial clearance in, 747
in overdose patients, 88
- Aspiration pneumonitis
vs. aspiration pneumonia, 1236
- Assessment scales. *See* Scoring systems
- Asthma
activated protein C and, S262
perioperative care for, S137
- Atrial fibrillation
incidence and risk factors for, 722, 890
- Atrial natriuretic peptide
for acute renal failure, 1310, 1421
pulmonary permeability in sepsis and, 2491
- Atropine
premedication for pediatric tracheal intubation, 565, 614
- Attitudes
toward delirium in ventilated patients, 106, 295
- Automated external defibrillators
interruption of CPR for, S421
lay person use of, S406
pediatric, S352
ventricular fibrillation after, S436
- Autonomy
of family members, 1832, 1964, 1966

B

- B-type natriuretic peptide
in cardiogenic shock, 1643, 1787
- Bacteremia
caloric intake and, 350, 591
continuous renal replacement recovery of, 932, 1075
incidence and risk factors for, 992, 1083
prevention of, 2014, 2150
in sepsis, 489

- Bacterial clearance
in aspiration pneumonia, 747
- Bacterial colonization
antibiotic rotation and, 2450
subglottic secretion
aspiration and, 2071, 2160
- Bacterial infections. *See also* Gram-negative infections; Gram-positive infections; Nosocomial infections
after bone marrow transplantation, 307
febrile neutropenia and, 2131
innate immunity to, 1879, 1971
noninjurious mechanical ventilation and, 2502
in sepsis, S466, S513
- Bacterial resistance
antibiotic rotation and, 53, 2450
- Bacterial translocation
antibiotics and virulence factors in, 467
blood flow during hemorrhage and, 740
hyperbaric oxygen therapy and, 1722
postburn intestinal barrier dysfunction and, 1730, 1803
- Bacterial virulence
translocation of enterococcal infections and, 467
- Barotrauma
ventilator-associated lung injuries and, 1961
- Behavior
during procedural pain, 421, 599
- Beta-adrenergic blocking agents
for acute lung injury, 1470, 1607
during cardiopulmonary resuscitation, S440
for postresuscitation myocardial dysfunction, S378
- Bias
in clinical trials, 874
- Bicarbonate
for sepsis, S562
- Bilevel positive airway pressure
for pulmonary edema, 2407, 2546
- Biomedical ethics. *See* Ethics
- Bispectral index
for level of consciousness assessment, 2403, 2545
- Biventricular mechanical circulatory support
for scombroid poisoning, 1957
- Black tea extract
for interleukin-8 inhibition, 2097
- Blast overpressure waves
iron transferrin and inflammatory response in, 1028
- Blood flow
in hemorrhage with or without nerve injury, 740
vasopressin and, 1327, 1423
- Blood pressure. *See also* Arterial blood pressure
impedance threshold devices and, S381, S398, 1555
spinal cord ischemia and, 1346, 1426
- Blood substitutes. *See also* Hemoglobin solutions
for hemorrhagic shock, 539, 612
- Blood transfusions
histiocytic hyperplasia with hemophagocytosis and, 1316
incidence and outcomes for, 39, 290
leukocytosis after, 439, 600
in sepsis, S542
storage time and, 364, 594, 1237, 1442, 1443, 1444
ventilator-associated pneumonia risk and, 666
- Bloodstream infections. *See* Bacteremia
- Blunt trauma
macrophage migration inhibitory factor in, 734
- Body positions. *See* Patient positioning
- Body temperature
neurologic outcomes after, 1489
ventilator-induced lung injuries and, 144
- Body weight
for continuously infused medication dosage, 428
defibrillation, resuscitation and survival in cardiac arrest and, S387
- Bone marrow transplantation
bacterial infections in children after, 307
- Book reviews, 619, 1243, 2168
- Bovine antimicrobial peptide
for staphylococcal sepsis, 2485, 2555
- Bovine thrombin
hypersensitivity recombinant activated protein C and, 311
- Brain death
hospital criteria for, 1284, 1417, 2564
thyroid hormones in, 2318
- Brain injuries. *See also* Head injuries
cardiovascular effects of dopamine and norepinephrine in, 1049
catheter-based cooling systems for, 559
cerebral microdialysis in, 2428
granulocyte colony-stimulating factor for, 2274, 2357
hyperosmolar therapy for, 1438, 1439
hypotension in children with, 309, 310
hypothalamic-pituitary-adrenal axis in, 404, 596, 1447, 1448
hypothermia for, 312
neuron apoptosis in sepsis and, 1764, 1804
normothermia for, S43
sedation scoring systems for, 2403, 2545
- Brain natriuretic peptide
myocardial dysfunction in sepsis and, 660
- Brain-derived neurotrophic factor
for cerebral ischemia, S359
- Brainstem death
dead-donor rule and, 1241, 2561
- Bronchial asthma
activated protein C and, S262
- Bronchoalveolar lavage
delayed processing for bacterial pneumonia diagnosis, 680
- Bungarotoxin
acetylcholine receptor decrease from, 509
- Burn-induced lung injuries
mesenteric lymph duct ligation for, 533
- Burns
heat shock protein in, 1338, 1425
hypertonic saline and nitric oxide synthase for, 2476
intestinal barrier dysfunction in, 1730, 1803, 2267, 2356
prostaglandin E₂ and cyclooxygenase-2 in, 795
vascular cell adhesion molecule upregulation in, 77
- Business plan
for critical care, 1207

C

- Calcitonin
in sepsis, 1715, 1801
- Calcitonin gene-related peptide
in sepsis, 1715, 1801
- Calcium
perioperative care and, S146
- Caloric intake
nosocomial bloodstream infections and, 350, 591
- Canadian healthcare system
utilization of mechanical ventilation in, 1504, 1614, 2564
- Candidiasis
antifungal prophylaxis for, 2443, 2552
- Carbenoxolone
for lung inflammation and fluid balance, 1910
- Carbon dioxide
gas exchange and, 1240
lung mechanics and, 1240
- Carbon dioxide rebreathing
with helmet-delivered noninvasive ventilation, 2090, 2162
- Carbon monoxide
carboxyhemoglobinemia and, 2537
- Carbon monoxide poisoning
S100B protein levels in, 2128
- Carboxyhemoglobinemia
inhaled nitric oxide and, 2537
- Cardiac arrest. *See also* Cardiopulmonary resuscitation; Ventricular fibrillation
age factors in survival and quality of life after, 963, 1081
body weight and, S387
brain-derived neurotrophic factor for, S359
gasping and stroke volume during, 238
hypothermia during, 2120, 2164
lazaroid for, 553
neurotensin-induced hypothermia vs. external cooling for, 806, 897
posttraumatic stress disorder after, 378
vasopressin and epinephrine for, S432

- Cardiac disease. *See* Heart disease
- Cardiac output
impedance threshold devices and, S381, S398
pulmonary artery occlusion pressure and central venous pressure monitoring of, 691
- Cardiac surgery. *See* Heart surgery
- Cardiogenic oscillation tidal volume overestimation and, 1546
- Cardiogenic shock
art and science of managing, 293
B-type natriuretic peptide in, 1643, 1787
- Cardioprotective effect of heat shock proteins, 1338, 1425
- Cardiopulmonary bypass
angiotensin converting enzyme gene polymorphisms and, 922
mesenteric injury from, 2392, 2543
- Cardiopulmonary resuscitation. *See also* Defibrillation
automated external defibrillators for children, S352
beta blockers for, S378, S440
body weight and, S387
epinephrine during, S432
hyperventilation during, S345
hypothermia for, S41, S46, S369, S425, 2120, 2164
interruption of, S421
lazaroid for, 553
left ventricular dysfunction after, 1753
miniaturized chest compressor for, S366
posttraumatic stress disorder after, 378
precountershock vs. initial defibrillation, 1352, 1428
Seventh Wolf Creek Conference on, S343
suspended animation for, S46, S51
vasopressin during, S432
vasopressin vs. epinephrine for, S393
ventricular fibrillation after, S436
- Cardiovascular response to endothelin receptor antagonists for shock, 1192
matrix metalloproteinases and, 1332
- Cardioversion
neuron-specific enolase and S100 release after, 2367
- Cardioverter-defibrillators
perioperative care for, S155, 1809
S100 protein and neuron-specific enolase release from, 1093
- Carrier state
in pediatric intensive care units, 839
- Caspases
neutrophil apoptosis in sepsis and, 1460
- Catheter-based cooling systems
for fever in neurologic patients, 559
- Catheter-related infections
continuing medical education for, 2014
povidone-iodine for prevention of, 708, 887
prevention of, 2014, 2150
- Catheters. *See also* Central venous catheters
smart aortic arch, for suspended animation, S51
- CD14 T-lymphocytes
in pancreatitis and SIRS, 2457
in sepsis, 1100, 1223
in septic shock, 2329
- CD25 T-lymphocytes
in septic shock, 2329
- Cecal ligation and puncture
inter- α inhibitor proteins for, 1747
- Cefepime
degradation of, 1238
- Cell adhesion molecules. *See* Adhesion molecules
- Cell death, programmed. *See* Apoptosis
- Cellular phones
mechanical ventilators and, 928, 1074
- Central venous catheters
for hypothermia induction, S425
povidone-iodine for infection prevention, 708, 887
prevention of bloodstream infections from, 2014, 2150
urokinase for occluded catheters, 1990, 2146
- Central venous pressure
for ventricular volume, 691
- Cerebral edema
dopexamine for, 1916
- Cerebral ischemia
brain-derived neurotrophic factor for, S359
- Cerebral microdialysis
in brain injuries, 2428, 2551
- Cerebral perfusion pressure
cerebral microdialysis in, 2428, 2551
in head injuries, 1579, 1621
norepinephrine for, 1049
- Chemokines
in exertional heatstroke, 399
in sepsis, 1570
- Chest compression
miniaturized chest compressor for, S366
precountershock vs. initial defibrillation CPR and, 1352, 1428
- Chest trauma
alveolar recruitment and oxygenation after, 968
- Children. *See also* Pediatric intensive care units
automated external defibrillators for, S352
bacterial infections after bone marrow transplant in, 307
brain dead, 2318
CVVH for fluid overload in, 1771, 1805
extracorporeal membrane oxygenation for, 1061, 1091
gastric feeding and PCO₂ in, 246
intermediate care for, 1215
prostacyclin for oxygenation in, 1055, 1089
sepsis and septic shock in, S591
tracheal intubation premedication in, 565, 614
- Choked flow
during total liquid ventilation, 201
- Chronic critical illness
symptom burden of, 1527, 1617
- Chronic obstructive pulmonary disease
lung overinflation and, 1496, 1613
noninvasive mechanical ventilation for, 372, 1860
- Circulatory support
for scombroid poisoning, 1957
- Clinical pathways. *See* Guidelines
- Clinical trials. *See also* Research
control group selection for, 852, 904
- endpoint determination for, S209
grading recommendations for, 2167, 2168
for sepsis, 1440, 2385, 2542
unintended selection bias in, 874
- Coagulation
activated protein C and, S309
antithrombin for sepsis and, 1851, 1968
gene polymorphism in sepsis and, S312
protease-activated receptors and, S287
protein S and, S336
thrombin activatable fibrinolysis inhibitor in, S320
- Coagulation activation
interleukin-6 antibody for, 1136, 1813
- Coagulopathy
preoperative management of, S106
- Cocaine
endotoxemic shock susceptibility and, 175
- Cognitive outcome
granulocyte colony-stimulating factor and, 2274, 2357
- Colloid fluids
for sepsis and septic shock, S451
- Communication
family conferences for, 1484, 1609
physician-family interactions and, 2323
- Community-acquired pneumonia
American Thoracic Society criteria for, 2398
surfactant protein B and, 1115, 1125
- Comorbidity
pneumonia and pancreatitis comorbidity, 1997, 2147
- Competence
critical care education and, 1949
- Complications
daily interruption of sedation and, 1272, 1413
- Computed tomography scans
brain perfusion, 1579, 1621
- Computer simulation. *See* Simulations
- Computerization
of diagnostic tests order entry, 1306

- Confusion Assessment
Method for the Intensive
Care Unit, 2254, 2352
- Congestive heart failure
dopamine and, 1125, 1228
- Consciousness
Bispectral index
assessment of, 2403,
2545
mortality predictions in
ischemic stroke and, 241
S100B protein levels and,
2128
- Continuing medical
education
catheter-related
bloodstream infection
prevention, 2014
CCM program for, 1989
community-acquired
pneumonia, 2398
drotrecogin alfa for sepsis,
2199
guidelines for, 263
sedation scales for brain-
injured patients, 2403
sepsis with traumatic
injury, 2234
stress ulceration
prevention, 2008
- Continuous positive pressure
ventilation
helmet delivered, 2090,
2162
for pulmonary edema,
1860, 2407, 2546
- Continuous renal
replacement
bacteria in ultrafiltrates
from, 932, 1075
- Continuous venovenous
hemofiltration
for fluid overload, 1771,
1805
for sepsis, S562
- Continuously infused
medications
medication errors with, 428
- Control group selection
for randomized clinical
trials, 852, 904
- Cooling systems. *See also*
Hypothermia
for cardiopulmonary
resuscitation, S369
for fever in neurologic
patients, 559, 2508, 2558
- Coronary artery bypass
grafting
angiotensin converting
enzyme gene
polymorphisms and, 922,
1073
- Coronary artery disease
perioperative care for, S126
- Corticosteroids
for sepsis and septic shock,
S527
- Cortisol
in traumatic brain injury,
404, 596, 1447, 1448
- Cost effectiveness
evaluation of, 299
of intensivist telemedicine
programs, 31, 287, 1632
of linezolid for ventilator-
associated pneumonia,
137
of oral decontamination for
ventilator-associated
pneumonia prevention,
126
of proton pump inhibitors
for peptic ulcers, 1277,
1415
- Costs. *See also* Economics;
Resource utilization
of care for sepsis survivors,
981
of critical care medicine,
1254, 1408
of delirium in mechanically
ventilated patients, 955,
1080
of Leapfrog Group
standard
implementation, 1247,
1406
of Medicare ICU services,
2247, 2351
- Cox's survival model
for sepsis, 700, 885
- CpG motif
oligodeoxynucleotides-
inhibition of CpG-
induced inflammation,
2045
- CPR. *See* Cardiopulmonary
resuscitation
- Crisis response
to combined external and
internal disasters, 686,
884
simulation training for,
S61
- Critical care. *See also*
Intensive care units
in ICUs vs. regular units,
1654, 1791
business plan for, 1207
the future of, 1097
guidelines. *See* Guidelines
medical education for, 1949
outcomes of. *See* Outcomes
Peter J. Safar's
contributions to, S8
rationing critical care beds,
1588, 1623
role, patterns of use and
costs of, 1254, 1408
telemedicine for, 287, 288
- Critical care education
guidelines for, 263
- Critical Care Medicine
continuing medical
education program, 1989
- Critical illness, chronic
symptom burden of, 1527,
1617
- Critical thinking
simulation education for,
S70
- Cross infection. *See*
Nosocomial infections
- Crystallloid fluids
for sepsis and septic shock,
S451
- Cultural differences
in end-of-life care, 1781
in family decision making,
1832, 1964, 1966
- Cultures
delayed processing for
bacterial pneumonia
diagnosis, 680
- Cyclooxygenase-2
in burn injury, 795
- Cyclosporin A
for endotoxemia, 478, 607
- CYP1A2
in sepsis, 502
- CYP2C11
in sepsis, 1186
- CYP2J4
in sepsis, 1186
- CYP4A3
in sepsis, 1186
- Cytochrome P450
in sepsis, 502, 1186
- Cytokines
in animal models of sepsis,
S219
in aspiration pneumonia,
747
blood flow during
hemorrhage and, 740
different ventilation
strategies and, 1563
in exertional heatstroke,
399
febrile neutropenia and,
2131
in pulmonary infections,
1740
in sepsis, 1570
in ventilator-induced lung
injury, 168, 302
- D**
- Dead space ratio
in acute respiratory
distress syndrome, 1441
- Dead-donor rule
brainstem death and, 1241,
2561
- Death and dying. *See also*
Brain death; End-of-life
care
nurse ratings of the quality
of, 1648, 1789
standardized order
withdrawal of support
form for, 1141, 1230,
1981, 1982
- Death rate. *See* Mortality
- Decision-making. *See also*
End-of-life decision
making
by family members in
France, 1832, 1964, 1966
physician-family
interactions and, 2323
- Decompression sickness
right-to-left shunt and,
1983
- Deep vein thrombosis
prophylaxis
for sepsis, S571
- Deferoxamine
for carbon tetrachloride-
induced liver failure,
2079
for sepsis, 342, 589
- Defibrillation
age factors in survival and
quality of life after, 963,
1081
amplitude spectrum area
for timing, S356
automated external
defibrillators for
children, S352
body weight and, S387
interruption of CPR for,
S421
lay person use of, S406
neuron-specific enolase and
S100 release after, 2367
ventricular fibrillation
after, S436
- Delirium
in intensive care units,
295, 2352
in mechanically ventilated
patients, 106, 955, 1080,
2254, 2352
- Dementia
end-of-life care for, 1839
- 15-Deoxy-prostaglandin J₂
for multiple organ failure
in endotoxemia, 826
- Dexmedetomidine
for endotoxemic shock,
1322
- Diabetes mellitus
glucagon-like peptide 1 for,
848
preoperative care for, S116
- Diagnosis
of disseminated
intravascular
coagulation, 2416, 2548
of infectious agents in
sepsis, 1510, 1616
of sepsis infection, S466
of undifferentiated
hypotension, 1703, 1798
- Diagnosis related groups
for Medicare ICU services,
2247, 2351

- Diagnostic tests
computerized physician
order entry for, 1306
- Dialysis
linezolid removal by, 2437
- Diffusion limited oxygen
delivery
for head injuries, 1384,
1429
- Diisopropyl phenol. *See*
Propofol
- Disasters
crisis response to combined
external and internal
disasters, 686, 884
- Discrimination
genetic, 1073
- Disseminated intravascular
coagulation
activated partial
thromboplastin time
waveform analysis for,
520
antithrombin for sepsis
and, 1851, 1968
definition of, 312, 313
scoring systems for, 2416,
2548
- Diuretics
for acute renal failure,
1669, 1794
- Do-not-intubate orders
long-term outcomes of, 372
noninvasive mechanical
ventilation and, 881,
2002, 2148
- Dobutamine
right ventricular function
and, 1035, 1087
for sepsis, S448
for septic shock, S455
- Dopamine
cardiovascular effects in
brain injuries, 1049
in congestive heart failure,
1125, 1228
continuous infusion errors
with, 150, 428
microvascular gastric
mucosal oxygenation
and, 301
for septic shock, S455
- Dopexamine
for sepsis, 1916
- Dorsal lung density
prone position in ARDS
and, 83
- Double indicator method
for pulmonary edema
monitoring, 811, 899
- Drotrecogin alfa (activated)
bovine thrombin
hypersensitivity and, 311
coagulation and, S309
endothelial cell
permeability and, S302
for endotoxemia, S202
- evidence-based review of,
S534
- factor V Leiden
polymorphisms and,
S239
- inflammation and, S309
- innate immunity and, S280
- ischemia/reperfusion injury
and, S309
- long-term outcomes of,
2199, 2347, 2348
- mortality and resource
utilization with, 2207,
2347, 2348
- rho kinase signaling and,
S302
- for sepsis, S194, S202,
S534
- sources of variability on
treatment effect
estimates for, 2385, 2542
substantiating concerns
about, 2542
- Drug prescriptions
medical order sheets for
antibiotics and, 655, 882
- Drug resistance. *See*
Bacterial resistance
- Drug-releasing stents
antiplatelet therapy with,
2166
- Dying. *See* Death and dying
- E**
- E-cadherin
in postburn intestinal
barrier dysfunction,
1730, 1803
- E-selectin
alcoholism and elevated
levels in ARDS, 675, 883
- E. coli*. *See* *Escherichia coli*
- Early goal-directed therapy
for sepsis, 314, 315
- Echocardiography
for dorsal lung density in
ARDS, 83
of left ventricular function,
644
- Economics. *See also* Costs
of critical care business
plans, 1207
- Editorials
B 2-Agonists for treatment
of pulmonary edema,
1607
Access to critical care, 1623
Activated protein C, 2348
Acute brain injury, 1611
Acute lung injury and
mechanical ventilation,
1960
Acute renal failure and
diuretics, 1794
Afelimomab-another
therapeutic option in
sepsis therapy, 2343
- Affordable health care for
all Canadians, 1614
- Age and functional status
as determinants of
intensive care unit
outcomes, 291
- Albumin versus crystalloid
solutions for the
critically ill and injured,
2154
- Alternative activated
macrophage, 1971
- Anemia and blood
transfusion in the
critically ill, 290
- Anemia associated with
critical illness, 1234
- Antioxidant therapy in
critical illness, 610
- Are vasodilatory shock
states due to sepsis and
cardiovascular surgery
like two peas in a pod,
1411
- Are we ready to monitor
for delirium in the
intensive care unit, 295
- Assessing metabolic
acidosis in the intensive
care unit, 1227
- Atrial fibrillation in the
surgical intensive care
unit, 890
- Atrial natriuretic peptide
to prevent acute renal
failure, 1421
- Autonomic regulation of
heart rate variability in
trauma, 1420
- Bispectral index
monitoring for
assessment of level of
consciousness in brain-
injured patients, 2545
- Black and white and read
all over, 1073
- Bringing order to chaos,
2346
- Can endotracheal tube
occlusion be predicted,
298
- Cardiogenic shock, 293
- Caveats of evaluating costs
in critical care, 299
- Challenges of treating on
the basis of knowledge,
904
- Clinical implications of a
validated scoring system
for dissemination
intravascular
coagulation, 2548
- The clinical relevance of
defining the mechanism
for altered gut
permeability in a two-hit
model of injury and
infection, 2356
- CON: Is the tele-intensive
care unit ready for prime
time, 288
- Continuous versus bilevel
positive airway pressure
in acute cardiogenic
pulmonary edema, 2546
- The cost-effectiveness of
proton pump inhibitors
for bleeding peptic
ulcers, 1415
- Critical care teams
managing floor patients,
1071
- The deceptive complexity of
"simple" proning, 2156
- Defibrillation first versus
chest compression first
after prolonged
ventricular fibrillation,
1428
- Delay of neutrophil
apoptosis can exacerbate
inflammation in sepsis
patients, 1604
- Delirium in the intensive
care unit is bad, 2352
- Delirium-the cost of
inattention, 1080
- Determination of brain
death, 1417
- Diagnosing shock via
artificial intelligence, 602
- Direct lung injury by
bacteria, 2360
- Do as we say, not as we do,
592
- Do cultural differences in
communication and
visiting result in
decreased family desire
to participate in decision
making, 1964
- Do not get sick when you
are sick, 2147
- Do not suction above the
cuff, 2160
- Does improved oxygenation
really imply increased
benefit, 1089
- Dying from pneumonia,
1225
- Dying in America, 879
- Early tracheostomy, 1796
- Efficacy of blood
transfusion in the
critically ill, 594
- The efficacy of drotrecogin
alfa depends on severity
of illness, 2347
- Electrical impedance
tomography, 894
- Eliminating catheter-
related bloodstream
infections, 2150
- Endothelial cell apoptosis
in sepsis, 901

- Eosinophilic myocarditis in the explanted hearts of cardiac transplant recipients, 888
- Ethyl pyruvate, 1603
- Evidence-based approach to family care in the intensive care unit, 1975
- Evolution of B-type natriuretic peptide in evaluation of critical care unit shock, 1787
- Extracorporeal endotoxin adsorption in septic patients, 1792
- Extracorporeal membrane oxygenation for pediatric cardiac failure, 1091
- Extracorporeal removal for sepsis, 896
- Fighting the enemy properly, 1223
- Fluid overload in multiple organ dysfunction syndrome, 1805
- Futility in stroke care, 2365
- Glucose and the immune system, 1224
- The golden day after subarachnoid hemorrhage, 902
- Granulocyte colony-stimulating factor, 2357
- Guideline adoption, 1409
- Hepatic microcirculation in ischemia/reperfusion, 605
- How relaxed should we be with acute respiratory distress, 296
- How will respond to chronic critical illness, 1617
- Hypothermia after cardiac arrest, 897
- Hypothermia during cardiac arrest, 2164
- Hypothermia, sepsis and the granulocytes, 1974
- Impact of intensivists on outcome of critically ill neurologic and neurosurgical patients, 2363
- Implementation of standards for intensivist staffing, 1406
- Improvement in coagulation markers with antithrombin, 1968
- Improving end-of-life care, 1230
- Incident reporting in the information age, 2349
- Intensive care unit resource utilization by Medicare patients, 2351
- Is low-dose vasopressin the new reno-protective agent, 1972
- Is pulmonary edema associated with a high extravascular thermal volume, 899
- Keeping a cool head, 2558
- The Laboratory Risk Indicator for Necrotizing Fasciitis (RNINEC) score, 1618
- Lac-time, 1785
- Leukocyte lysozyme, 304
- Limiting deleterious cross-talk between failing organs, 2358
- Limiting life support, 597
- A long and winding road, 1077
- Mechanisms of action of activated protein C, 1086
- Mediator modulation therapy of severe sepsis and septic shock, 282
- Medical order formatting in the era of patient safety, 882
- Medical simulation training coming of age, 2549
- Medication vehicle injury, 1800
- Microbiologic diagnosis of blood culture-negative sepsis by hemofiltration, 1075
- Microcirculation in distress, 1963
- Mitochondrial membrane dysfunction in endotoxemia, 607
- Moving from macro- to microcirculation in head injury, 1429
- Multiple converging mechanisms for postburn intestinal barrier dysfunction, 1803
- Muscling in on SIRS, 1233
- Mysteries of the drunken lung, 883
- New insights from the interplay between nitric oxide and glucocorticoids, 2362
- A new red blood cell substitute, 612
- No longer the "expensive scare unit", 1408
- Noninvasive interfaces, 2162
- Noninvasive ventilation and palliative care, 881
- Nurse-assessed tool for evaluating death in the intensive care unit, 1789
- Obstetric patients requiring intensive care unit admission, 1418
- Optimal positive end-expiratory pressure, 2553
- Optimization of intestinal mucosal oxygenation in shock, 301
- Oxidative stress in acute lung injury, 892
- Pain-related behaviors and pain assessment, 599
- Peptidoglycan is an important pathogenic factor of inflammatory response in sepsis, 613
- Perfusing the brain after traumatic brain injury, 1621
- Peroxisome proliferator-activated receptor-[gamma] agonist ligands, 604
- Polishing the crystal ball, 885
- Poly (adenosine diphosphate-ribose) polymerase, 2543
- Poor outcomes associated with low lipid and lipoprotein levels, 878
- Practice variations in acute respiratory distress syndrome, 1079
- Predicting mortality from sepsis, 1620
- Prevention and amelioration of neurologic dysfunction after complex aortic surgery, 1426
- PRO: Multiplier, 287
- Probabilistic thinking and intensive care, 1231
- Procalcitonin mode of action, 1801
- Programmed neuronal death in sepsis, 1804
- Prophylaxis or preemptive therapy of invasive candidiasis in the intensive care unit, 2552
- Protective role of myocardial heat shock protein 70 in burn trauma, 1425
- Pulmonary artery catheter use, 1070
- Recombinant tissue plasminogen activator in children with meningococcal purpura fulminans, 1806
- Recruitment maneuvers might not always be appropriate in ARDS, 2540
- Relative importance of stretch and shear in ventilator-induced lung injury, 302
- Renal roadblock in managing low output heart failure, 1228
- Research and redesign are safer than warnings and rules, 1074
- Resuscitation of the elderly after out-of-hospital cardiac arrest, 1081
- Right ventricular function and failure, 1087
- Risk of bloodstream infection can be strongly decreased by a very moderate caloric intake or strongly increased by a very low caloric intake in severely ill patients in intensive care, 591
- Risk stratification in the changing field of cardiac surgery, 1970
- Sepsis-new strategies with host defense peptides, 2555
- Sepsis: let's go back to the infectious process, 1616
- Severe bloodstream infections from the community, 1083
- Shared decision-making in the ICU, 1966
- Should red cell transfusions be leukoreduced in critically ill patients, 600
- Should we continue to target the platelet-activating factor pathway in septic patients, 585
- Skin antiseptic in reducing the risk of central venous catheter-related infections, 887
- Sonographic assessment of the hypotensive patient, 1798
- On speaking less and listening more during end-of-life family conferences, 1609
- Sphingomyelinase pathway activation in septic myocardial depression, 609
- Substantiating the concerns about recombinant human activated protein C use in sepsis, 2542
- The survival benefit of intensive care, 1791

- The surviving sepsis guidelines, 1598, 1601
- Targeting leukocyte trafficking in the treatment of severe trauma, 2152
- Therapeutic benefits of antioxidants during sepsis, 589
- Therapy of ventilator-associated pneumonia, 2344
- Think globally and act regionally, 1613
- Thrombolytics for occluded catheters, 2146
- Through a glass darkly, 2157
- Ticker tape medicine, 2551
- Tracheal intubation in neonates, infants and children, 614
- Transit care medicine, 305
- Treatment of pneumococcal pneumonia, 876
- Unidentified acids in severe malaria, 1795
- Unraveling the mystery of adrenal failure in the critically ill, 596
- The use of protocols for nutritional support is definitely needed in the intensive care unit, 2354
- Vasopressin in septic shock, 1423
- Ventilation and oxygen, 2556
- In vivo, in vitro, in silico...*, 2159
- Volutrauma, barotrauma and ventilator-induced lung injury, 1961
- Wake up and breathe, 1413
- What we learned when Allison turned out the big light, 884
- When will it be clear, 1608
- Which patient with a do-not-intubate order is a candidate for noninvasive ventilation, 2148
- Why does acute lung injury have no impact on mortality in patients with major trauma, 583
- Education. *See* Medical education
- Elderly. *See also* Age end-of-life care in ICUs for, 638, 1631 preoperative care for, S92
- Electric defibrillation. *See* Defibrillation
- Electrical impedance tomography for lung mechanics during high-frequency oscillation, 787, 894
- Electromagnetic interference from cellular phones, 928, 1074
- pacemakers, implantable cardioverter defibrillators and, S155, 1809
- Emergency medical services abnormal respiratory rate and, 1983 hyperventilation during, S345
- Emergency teams for postoperative care, 916, 1071, 1983, 1984
- Emphysema perioperative care for, S137
- Encephalopathy preoperative management of, S106
- S100B protein as a predictor of, 131
- End-of-life care. *See also* Palliative care challenges in, 1781 cultural differences in, 1781 do-not-intubate orders and, 2002, 2148 family conferences and, 1484, 1609 in intensive care units, 638, 879, 1630, 1631 nurse ratings of the quality of, 1648, 1789 standardized order withdrawal of support form for, 1141, 1230, 1981, 1982 for terminal dementia patients, 1839
- End-of-life decision making frequency and practice in a Hong Kong ICU, 415, 597 probabilistic thinking and, 1231 quality of life, prognosis and, 649
- Endothelial cells apoptosis in sepsis, 901 drotrecogin alfa (activated) and cell permeability, S302 in hemorrhagic shock, 2464 physiology of, S271 plasminogen activators in lung endothelial cells, 217 in sepsis, S280
- Endothelial protein C receptors in inflammatory bowel disease, S266 ischemic stroke and, S247 protease-activated receptors and, S287 in sepsis, S214 structure and function of, S298
- Endothelin receptor antagonists for acute lung injury, 766 for endotoxic shock, 1192
- Endothelium in burn patients, 2476 physiology of, S271 in septic shock, 1904
- Endotoxemia activated protein C for, 1011, 1086 drotrecogin alfa for, S202 interleukin-6 antibody for, 1136, 1813 matrix metalloproteinases in, 1332 mitochondrial permeability transition in, 478, 607 N-acetylcysteine effects in, 525, 610 peroxisome proliferator-activated receptor agonists for, 826 sphingomyelinase pathway in, 495, 609 tezosentan for, 766 tissue factor, protease-activated receptors and proteases in, S293 toll-like receptor 4 in, 1759
- Endotoxic shock arginine vasopressin for, 1891, 1972 cocaine increased susceptibility to, 175 dexmedetomidine for, 1322 endothelin receptor antagonists for, 1192 vasopressin for, 1327, 1423
- Endotoxin adsorber system EN500 for gram-negative sepsis, 1662, 1792
- Endotracheal tubes intraluminal volume loss in, 120, 298, 1979 in pulmonary edema, 2407, 2546 ultrasound confirmation of placement, S374
- Endpoint determination for sepsis clinical trials, S209
- Enolase after cardioverter/defibrillator implantation, 1093
- Enteral nutrition Canadian guidelines for, 2260, 2354 gastric feeding and PCO₂ in children, 246 nosocomial bloodstream infections and, 350, 591 with prone position mechanical ventilation, 94
- Enterobacterial common antigen MAB-T88 antibody to, 617
- Enterococcal infections bacterial translocation of, 467
- Enterococcus faecium* intestinal permeability in burns and, 2267, 2356
- Eosinophilic myocarditis in heart transplant patients, 714, 888
- Epinephrine during cardiopulmonary resuscitation, S432 postresuscitation ventricular fibrillation and, S393
- ERK kinase heat shock and, 2284
- Erratum, 621, 907, 1094, 1448, 1632, 1813, 1985, 2169
- Errors. *See* Medical errors
- Erythrocytes. *See* Red blood cell
- Erythropoietin for sepsis, S542
- Erythropoietin receptor anemia and, 1234
- Escherichia coli* pneumonia granulopoiesis in, 1740
- Esmolol during cardiopulmonary resuscitation, S440
- Ethics of control group selection, 852 dead-donor rule and, 1241, 2561
- Ethyl pyruvate for pancreatitis, 1453, 1603
- Evidence-based medicine for acute pancreatitis, 2524 for sepsis and septic shock, S446, 858, 1448
- Exercise proportional assist mechanical ventilation during, 409
- Exertional heatstroke chemokines and cytokines in, 399
- Exoenzyme U protein *P. aeruginosa* acute lung injuries and, 2293, 2360

Expiratory time
prolongation of in status
asthmaticus, 1542

Expiratory trigger settings
for pressure support
ventilation, 1844

Exsanguinating hemorrhage
suspended animation for,
S46

Extracorporeal cooling
systems
for cardiopulmonary
resuscitation, S369

Extracorporeal membrane
oxygenation
for pediatric heart disease,
1061, 1091

F

Factor V Leiden
in sepsis, S233, S239

Falciparum malaria
metabolic acidosis in, 1683,
1795

Family members
conferences with, 1484,
1609
decision making by, 1832,
1964, 1966
physician-family
interactions in ICUs,
2323
satisfaction levels and
quality of care, 1922,
1975

Feeding tubes. *See also*
Enteral nutrition

Fenoldopam
microvascular gastric
mucosal oxygenation
and, 150, 301

Fever. *See also* Hyperthermia
catheter-based cooling
systems for, 559
neurologic outcomes and,
1489, 1611
in neutropenic patients,
2131
water-circulating surface
cooling system for, 2508,
2558

Fibrillation. *See* Atrial
fibrillation; Ventricular
fibrillation

Fibrinogen
in septic shock, 1904

Fibrinolysis
gene polymorphism in
sepsis and, S312
thrombin activatable
fibrinolysis inhibitor in,
S320

Floods
crisis response to, 686, 884

Fluconazole
for candidiasis prevention,
2443, 2552

Fluid overload
continuous venovenous
hemofiltration for, 1771,
1805

Fluid resuscitation
albumin vs. crystalloid
fluids for, 2029, 2154
for sepsis and septic shock,
S451, S591, 1928

Fluorocarbon
for acidified infant
formula-induced lung
injury, 209

France
family member decision
making in, 1832, 1964,
1966

Free radicals
superoxide dismutase
mimetics for, 157

Fresh-frozen plasma
for sepsis, S542

Fulminant meningococcal
disease
tissue plasminogen
activator for, 1777, 1806

Functional status
after prolonged mechanical
ventilation, 61, 291, 1628

Fungal infections
preemptive fluconazole for
candidiasis prevention,
2443, 2552

Furosemide
for acute renal failure,
1669, 1794

Futility
in acute stroke care, 2332,
2365

G

Gas exchange
adjustable ventilator
settings and, 781
aerosol perfluorocarbon
therapy and, 1200
carbon dioxide and, 1240
neuromuscular blockade
for ARDS and, 113, 296,
1628, 1629

Gasping
during ventricular
fibrillation, 238

Gastric emptying
with prone position
mechanical ventilation,
94

Gastric mucosa
dopamine and
microvascular gastric
mucosal oxygenation,
150, 301
gastric feeding and PCO₂
in children, 246

Gastric tonometry
gastric feeding and PCO₂
in children, 246

Gastrointestinal ulceration
continuing medical
education for, 2008

Gene polymorphisms
in cardiopulmonary bypass
patients, 922, 1073
in community-acquired
pneumonia, 1115, 1225

Hardy-Weinbruge
equilibrium calculation
for, 1431
in sepsis, S233, S312, 569,
1237

Genetic discrimination
for optimum therapy, 1073

Glucagon-like peptide 1
for post-surgical type 2
diabetes, 848

Glucocorticoid receptor
binding
nitric oxide and, 2304,
2362

Glucocorticoids
for lung inflammation and
fluid balance, 1910

Glucose
for myocardial infarction,
906

Glutamate
hypothermic retrograde
jugular perfusion and,
1391

Glycemic control
for sepsis, S562, S591

Glycylhydrolase inhibitors
in septic shock and
multiple organ failure,
1365

Gram-negative infections
antibiotic rotation and,
2450
endotoxin adsorber system
EN500 for, 1662, 1792
mAB-T88 antibody in, 617

Gram-positive infections
intestinal permeability in
burns and, 2267, 2356

Granulocyte colony-
stimulating factor
for traumatic brain
injuries, 2274, 2357

Granulocytes
hypothermia and, 1899,
1974

Granulopoiesis
in pulmonary infections,
1740

Gravimetry
for pulmonary edema
monitoring, 811, 899,
1550, 2561, 2562

Gray's survival model
for sepsis, 700, 885

Guidelines
for acute pancreatitis, 2524
adoption of, 1409
for community-acquired
pneumonia, 2398

for critical care medical
education, 263
for intensive care units and
personnel, 1808, 1809
for nutritional support,
2260, 2354
for patient transport, 256,
305
for pediatric intensive care
units, 2117
for pediatric intermediate
care, 1215
for physical restraints,
1977
for sepsis, S446, S595, 858,
1448, 1598, 1601
for septic shock, 858, 1448

Gut ischemia
burn-induced lung injuries
and, 533

H

Handwashing
compliance with, 1446,
1447
electronic monitoring and
voice prompts for, 358,
592, 1447

Hardy-Weinbruge
equilibrium calculation
for Gene polymorphisms,
1431

Head injuries. *See also* Brain
injuries
cerebral perfusion pressure
monitoring for, 1579,
1621
diffusion limited oxygen
delivery for, 1384, 1429
perfusion computed
tomography scans for,
1579, 1621

Health care professionals
handwashing by, 358, 592

Heart disease
extracorporeal membrane
oxygenation for, 1061,
1091
perioperative care for, S126

Heart failure
adrenergic receptors for,
1041

Heart rate variability
in trauma, 1300, 1420

Heart surgery. *See also*
Cardiopulmonary bypass
cardiogenic oscillation
after, 1546
postoperative troponin T
levels and, 1866, 1970
risk factors in, 1970

Heart transplantation
eosinophilic myocarditis in
patients waiting for, 714,
888

- Heat shock proteins
cardioprotective effect of, 1338, 1425
- Heat stress
heat shock proteins in, 1338, 1425
tumor necrosis factor release and, 2284
- Heatstroke
chemokines and cytokines in, 399
hypothermic retrograde jugular perfusion for, 1391
- Helmets
carbon dioxide rebreathing with, 2090, 2162
- Hemadsorption
for septic shock, 896
- Heme oxygenase-1
in acute respiratory distress syndrome, 1130
- Hemodynamic monitoring
of left ventricular function, 644
- Hemodynamic support
for sepsis, 1928
- Hemodynamics
of arginine vasopressin, 1891, 1972
B-type natriuretic peptide and, 1643, 1787
of dopamine in congestive heart failure, 1125, 1228
of impedance threshold devices, S381
of N^G-monomethyl-L-arginine for septic shock, 13
of positive-pressure ventilation for hemorrhage, S414
single-beat method for, 1886
- Hemofiltration. *See also* Continuous venovenous hemofiltration
bacteria recovered by, 932, 1075
for sepsis, S562
for septic shock, 801
- Hemoglobin solutions
for hemorrhagic shock, 539, 612
- Hemoperfusion
for gram-negative sepsis, 1662, 1792
- Hemophagocytosis
with histiocytic hyperplasia, 1316
- Hemorrhage. *See also* Subarachnoid hemorrhage
blood flow in, 740
exsanguinating, S46
impedance threshold devices for, S398
intracerebral
mechanical ventilation and, 1431
positive pressure ventilation in, S414
- Hemorrhage volume
calculations
artificial intelligence for, 450, 602
- Hemorrhagic shock
artificial intelligence for volume calculations in, 450, 602
endothelial cell apoptosis in, 2464
hemoglobin-vesicle for, 539, 612
impedance threshold devices for, S398
mesenteric lymph duct ligation for, 760
polyhemoglobins for, 612
positive pressure ventilation in, S414
- Hemostasis
thrombomodulin in, S254
- Hemostatic gene
polymorphisms
sepsis and, S312
- Heparin
induced thrombocytopenia and stroke, 976
for sepsis, S534, S571, 874
- Hepatic failure. *See* Liver failure
- High-density lipoproteins
apolipoprotein and, 1977, 1978
- High-frequency oscillation
electrical impedance tomography monitoring of, 787, 894
for meconium aspiration, 443
surfactants and, 774
- High-volume ventilation
cytokine release and, 1563
- Histamine antagonists
for stress ulcer prophylaxis, 2008
- Histamine-2-receptor
antagonists
for sepsis, S571
- Histiocytic hyperplasia
with hemophagocytosis, 1316
- Hollow-fiber oxygenator
for total liquid ventilation, 2104
- Hospital volume
quality of care for trauma and, 1477, 1608
- Host defense
noninjurious mechanical ventilation and, 2502
in pancreatitis with pneumonia, 1997, 2147
- Human experimentation
control group selection and, 852, 904
- Human factors
electromagnetic interference and, 1074
in lay person use of defibrillators, S406
- 11 β -Hydroxysteroid
dehydrogenase inhibitors
for lung inflammation and fluid balance, 1910
- Hyperbaric oxygen therapy
for sepsis, 1722
- Hypercalcemia
perioperative care for, S146
- Hyperglycemia
glucagon-like peptide 1 for, 848
ICU mortality and, 1109, 1224
preoperative care for, S116
- Hyperinflation
airway pressure-time curve and, 1018
prolongation of expiratory time in, 1542
ventilator-induced lung injuries and, 1496, 1613
- Hyperosmolar therapy
for brain injuries, 1438, 1439
- Hyperoxia
acute lung injury exacerbation by, 2496, 2556
impaired surfactant function from, 1156
- Hypersensitivity
to bovine thrombin in recombinant protein C, 311
- Hypertension. *See* Intracranial hypertension
- Hyperthermia
ventilator-induced lung injuries and, 144
- Hypertonic saline
for brain injuries, 1438, 1439
for gut barrier failure in burns, 2476
- Hyperventilation
during cardiopulmonary resuscitation, S345
- Hypocalcemia
perioperative care for, S146
- Hypotension
in brain injured children, 309, 310
inspiratory impedance threshold device for, 1555
ultrasound diagnosis of, 1703, 1798
- Hypothalamic-pituitary-adrenal axis
in traumatic brain injury, 404, 596, 1447, 1448
- Hypothermia
for brain injuries, S43
for cardiac arrest, 806, 897
during cardiopulmonary resuscitation, 2120, 2164
for cardiopulmonary resuscitation, S41, S46, S51, S369
central venous saline infusion for, S425
for fever in neurologic patients, 2508, 2558
for heatstroke, 1391
for sepsis prevention, 1899, 1974
for traumatic brain injuries, 312
- Hypothermic retrograde jugular perfusion
for heatstroke, 1391
- Hypovolemia
impedance threshold devices for, S398, 1555
positive pressure ventilation in, S414
- Hypoxemia
noninvasive ventilation for, 2516
reperfusion injury and, 2279, 2358
- Hypoxia, tissue. *See* Tissue hypoxia
- Hypoxic-ischemic encephalopathy
S100B protein as a predictor of, 131

I

- Imipenem
for ventilator-associated pneumonia, 2183, 2344
- Immune response. *See also* Innate immunity
hyperglycemia and, 1109, 1224
- Immunosuppression
by pre-septic hypothermia, 1899, 1974
- Immunosuppressive agents
eosinophilic myocarditis and, 714, 888
sepsis and, S578
- Impedance threshold devices
for arterial pressure in hypotension, 1555
hemodynamic effects of, S381
for hemorrhagic shock, S398
- Incident reporting
for airway management, 2227, 2349

- Infant formula, acidified
partial liquid ventilation
for lung injury from, 209
Infants. *See also* Neonates
- Infection
bacterial. *See* Bacterial
infections
catheter-induced. *See*
Catheter-related
infections
classifying infectious
agents in sepsis patients,
1510, 1616
nosocomial. *See* Nosocomial
infections
in pediatric intensive care
units, 839
- Infection control
for catheter-related
infection prevention,
2014, 2150
- Infectious complications
pneumonia and
pancreatitis comorbidity,
1997, 2147
- Inflammation
activated protein C and,
S262, S309
apolipoprotein A-I and,
632, 878, 1978
endothelial cell protein C
receptor and, S298
nuclear factor- κ B and,
1239
protease-activated
receptors and, S287
protein S and, S336
thrombin activatable
fibrinolysis inhibitor and,
S320
thrombomodulin and, S254
- Inflammatory bowel disease
protein C receptor and
thrombomodulin in, S266
- Inflammatory response. *See also* Systemic
inflammatory response
syndrome
dexmedetomidine and,
1322
ethyl pyruvate vs. Ringer's
lactate for, 1453, 1603
- Inflation limb
peak volume history and,
1352
- Infection points
peak volume history and,
1352
- Injuries. *See* Trauma
- Injury Severity Score
for sepsis with trauma,
2234
- Innate immunity
mathematical modeling of,
2050, 2157, 2159
protein C and, S280
SIRS and, 1879, 1971
- Inotropic drugs
for sepsis, 1928
- Inspiratory flow rate
adjustable ventilator
settings and, 781
- Inspiratory pressure
ventilator-associated lung
injuries and, 1961
- Insulin
for myocardial infarction,
906
- Intensive care. *See* Critical
care
- Intensive Care Unit Safety
Reporting System
(ICUSRS)
for airway management,
2227, 2349
- Intensive care units
attitudes toward delirium
in, 106, 295
vs. care in regular units,
1654, 1791
crisis response to combined
external and internal
disasters, 686, 884
emergency teams for
postoperative care in,
916, 1071, 1983, 1984
end-of-life care in, 638,
879, 1630, 1631
guidelines for. *See*
Guidelines
medical errors in, 727
Medicare services on, 2247,
2351
obesity-related mortality
in, 998, 1980, 1981
obstetric admissions to,
1294, 1418
outcomes of. *See* Outcomes
pediatric. *See* Pediatric
intensive care units
physical restraints in, 1977
physician mortality
predictions in, 1149,
1231
physician-family
interactions in, 2323
quality of life after, 2564
rationing critical care beds
and, 1588, 1623
readmission of survivors to,
391
- Intensivists
clinical and economic
outcomes of telemedicine
programs for, 1632
Leapfrog Group standard
for, 1247, 1406
mortality and length of
stay with, 2311, 2363
for neurologic intensive
care, 2191, 2346
outcomes of telemedicine
programs for, 31, 287
staffing guidelines for,
1808, 1809
- telemedicine and, 287, 288
- Inter- α inhibitor proteins
for sepsis, 1747
- Intercellular adhesion
molecule-1
in hemorrhagic shock, 760
- Interferon- γ /[gamma]
in septic shock and
meningococcal disease,
433
- Interhospital transfers
guidelines for, 256, 305
- Interleukin-6
afelimomab for sepsis and,
2173, 2343
hyperglycemia and, 1109,
1224
SIRS and, 1170, 1233
in traumatic brain injury,
404, 596, 1447, 1448
- Interleukin-6 antibody
for endotoxemia, 1136,
1813
- Interleukin-8
in nonfiltered packed red
cells, 439, 600
overstretch-induced lung
injuries and, 514
theaflavin inhibition of,
2097
in ventilator-induced lung
injury, 168
- Interleukin-10
in septic shock and
meningococcal disease,
433
- Interleukins
hemadsorption removal of,
801, 896
in post-CPR left
ventricular dysfunction,
1753
- Intermediate care
guidelines for pediatric
patients, 1215
- Intermittent positive-
pressure ventilation
surfactants and, 774
- Intestinal ischemia
activated protein C and
antithrombin for, 1375
- Intestinal mucosa
arginine vasopressin and
microvascular blood flow
in, 194
in burn injury with *E.*
faecalis, 2267, 2356
hyperbaric oxygen therapy
and, 1722
hypertonic saline and nitric
oxide synthase for, 2476
postburn dysfunction in,
1730, 1803
- Intracardiac shunt
in acute respiratory
distress syndrome, 308
- Intracerebral hemorrhage
cooling systems for, 2508
- mechanical ventilation
and, 1431
- Intracranial hypertension
cerebral microdialysis in,
2428, 2551
hyperosmolar therapy for,
1438, 1439
perfusion computed
tomography scans for,
1579, 1621
- Intrahospital transport
guidelines for, 256, 305
- Intraluminal volume loss
in endotracheal tubes
mechanical ventilation,
120, 298, 1979
- Intubation. *See also* Feeding
tubes
vs. early tracheotomy,
1689, 1796
ultrasound confirmation of,
S374
- Iron
in blast overpressure wave
injuries, 1028
free radicals in sepsis and,
589
heme oxygenase-1 and,
1130
for sepsis, 1178, 1234
- Ischemia
detection by P_{CO_2} , 232
- Ischemia/reperfusion injury
activated protein C and,
S309
activated protein C and
antithrombin for, 1375
adenosine
immunomodulation for,
273
5-aminoisoquinolinone for,
472, 605
cytokine release in, 1563
hypoxemic reperfusion and,
2279, 2358
poly (adenosine 5'-
diphosphate-ribose)
polymerase and, 2392,
2543
- Ischemic heart disease
perioperative care for, S126
- Ischemic stroke
activated protein C and,
S247
catheter-based cooling
systems for, 559
consciousness and
mortality predictions in,
241
- Isoflurane
for prolonged sedation,
2241

K

KC chemokine
in sepsis, 1570

Kidney failure, acute. *See*
Acute renal failure
Kidney function
dopamine and, 1125, 1228
Kidney toxicity
of tobramycin, 1678

L

L-NAME
for ventilator-associated
lung injury, 1872
L-selectin antibody
for multiple trauma
patients, 2021, 2152
**Laboratory Risk Indicator for
Necrotizing Fasciitis
(RNINEC) score**
for necrotizing fasciitis,
1535, 1618
Lactate
for detection of muscle
ischemia, 232
in sepsis and septic shock,
1637, 1785
Lazaroid
for postresuscitation
myocardial dysfunction,
553
Leapfrog Group standard
financial modeling of, 1247,
1406
Left ventricular function
after cardiopulmonary
resuscitation, 1753
hemodynamic and
echocardiographic
evaluation of, 644
Length of stay
fever and, 1489, 1611
ICU-based emergency
teams and, 916, 1071
July ICU admissions and,
1161
mechanical ventilation
and, 1504, 1614, 2564
neurologic intensive care
and, 2311, 2363
postoperative troponin T
levels and, 1866, 1970
sedation interruptions and,
1272, 1413
Leukocyte recruitment
in multiple trauma
patients, 2021, 2152
Leukocytes
in sepsis, S280
Leukocytosis
from blood transfusions,
439, 600
Levels of care
for pediatric intensive care
units, 2117
Life support withdrawal
for acute stroke, 2332,
2365
frequency and practice in a
Hong Kong ICU, 415,
597
probabilistic thinking and,
1231
standardized order form
for, 1141, 1230, 1981,
1982
Linezolid
removal by renal
replacement therapy,
2437
for ventilator-associated
pneumonia, 137
Lipid mediators
partial liquid ventilation
management of, 2085
Lipopolysaccharides
febrile neutropenia from,
2131
sesame seed oil for LPS-
induced oxidative stress,
227
Lipoproteins
SIRS and, 878
Liquid ventilation. *See*
Partial liquid ventilation;
Total liquid ventilation
Liver diseases
perioperative care for, S106
Liver failure
deferoxamine and N-
acetylcysteine for, 2079
preoperative management
of, S106
Liver injury
5-aminoisoquinolinone for,
472, 605
Lorazepam
for long-term sedation,
1435, 1436
serum propylene glycol
concentrations and, 1709,
1800
Lung diseases
perioperative care for, S137
**Lung edema. *See* Pulmonary
edema**
Lung fibrosis
activated protein C and,
S262
Lung function
peak volume history and,
1352
Lung infections
granulopoiesis in, 1740
Lung inflammation
carbenoxolone for, 1910
**Lung injuries. *See also* Acute
lung injuries**
burn-induced, 533
overstretch-induced, 514
pancreatitis-associated,
1759
plasminogen activators in
lung endothelial cells
and, 217

Lung mechanics
carbon dioxide and, 1240
electrical impedance
tomography monitoring
of, 787, 894
Lung overinflation. *See*
Hyperinflation
Lung volume
respiratory inductive
plethysmography for,
1241, 1242
in ventilator-induced lung
injury, 168, 302
Lung-protective ventilation
for ALI/ARDS, 1288
cytokine release and, 1563
low vs. high tidal volume
and, 2471, 2553
Lymph duct ligation
for burn-induced lung
injuries, 533
hemorrhagic shock-induced
adhesions molecule
increases, 760
Lysozyme c
myocardial depression and,
184, 304

M

M40401
for nonseptic shock, 157
MAB-T88 antibody
in gram-negative sepsis,
617
Macrophage activation
SIRS and, 1879, 1971
**Macrophage inflammatory
protein-2**
oligodeoxynucleotides
suppression of, 2045
in sepsis, 1570
Macrophage migration
inhibitory factor
in blunt trauma, 734
Malaria, falciparum
metabolic acidosis in, 1683,
1795
Mannitol
osmole gap and, 986
**MAP kinase. *See* Mitogen-
activated protein kinase**
**Margaux Conference on
Critical Illness**
on protein C pathways,
S193
Mathematical modeling
of anti-TNF therapy for
sepsis, 2061
of the innate immune
response in SIRS, 2050,
2157, 2159
Matrix metalloproteinases
in endotoxemia, 1332
**Mechanical circulatory
support**
for scorpion poisoning,
1957
Mechanical ventilation
cellular phones and, 928,
1074
cytokine release and, 1563
daily interruption of
sedation for, 1272, 1413
delirium and, 106, 955,
1080, 2254, 2352
early enteral nutrition for,
94
end-of-life decision making
and, 649, 881
expiratory trigger settings
for, 1844
high-frequency oscillatory.
See High-frequency
oscillation
incidence, survival and
utilization of, 1504, 1614,
2564
intracerebral hemorrhage
and, 1431
intraluminal volume loss
in, 120, 298, 1979
lung injuries from. *See*
Ventilator-associated
lung injuries
lung-protective. *See* Lung-
protective ventilation
neutrophil elastase
inhibitors and, 1695
noninvasive. *See*
Noninvasive ventilation
open lung. *See* Open lung
ventilation
overstretch-induced lung
injuries and, 514
partial liquid. *See* Partial
liquid ventilation
physician mortality
predictions and, 1149
pneumonia from. *See*
Pneumonia, ventilator-
associated
positive end-expiratory
pressure. *See* Positive
end-expiratory pressure
prolongation of expiratory
time in, 1542
prolonged
mortality and quality of
life after, 61, 291, 1628
tracheostomy use in,
2219
proportional assist
during exercise, 409
Pseudomonas aeruginosa
pneumonia and, 2502
for sepsis-induced acute
lung injury, S548
total liquid. *See* Total
liquid ventilation
Meconium aspiration
open lung ventilation vs.
HFOV and PPV for, 443

- Medical education. *See also* Continuing medical education
for critical care, 1949
guidelines for critical care training, 263
simulations for, S41, S56, S58, S61, S66, S70, S72
Medical emergency teams
for postoperative care, 916, 1071
Medical errors
in airway management, 2227, 2349
with continuously infused medications, 428
medical order sheets for antibiotics and, 655, 882
voluntary reporting system for, 727
Medical orders
for antibiotics, 655, 882
computerization of diagnostic tests order entry, 1306
standardized order withdrawal of support forms, 1141, 1981, 1982
Medical students
critical care education for, 1949
simulation education for, S66, S70
Medicare
incidence, cost and payment for ICU services, 2247, 2351
Medication errors
with continuously infused medications, 428
Meningococcal disease
interferon-[gamma] and IL-10 in, 433
tissue plasminogen activator for, 1777, 1806
Mental disorders
perioperative care for, S166
Mesenteric injuries
from cardiopulmonary bypass, 2392, 2543
Mesenteric lymph duct ligation
for burn-induced lung injuries, 533
hemorrhagic shock-induced adhesions molecule increases, 760
Meta-analysis
of albumin vs. crystalloid fluids, 2029, 2154
Metabolic acidosis. *See* Acidosis
Methodological quality. *See* Research design
Methoxamine
for sepsis, 1916
Microcirculation
activated protein C and, 1011, 1086
5-aminoisoquinoline and, 472, 605
arginine vasopressin and, 194, 1891, 1972
dopamine and, 150, 301
in septic shock, 1825, 1963
Microdialysis
in brain injuries, 2428, 2551
Microparticles
in sepsis, 818, 901
Midazolam
for long-term sedation, 1435, 1436
premedication for pediatric tracheal intubation, 565
premedication for tracheal intubation in children and neonates, 614
Miniaturized chest compressor
for chest compression, S366
Mitochondrial permeability transition
in endotoxemia, 478, 607
Mitochondrial transmembrane potential
neutrophil apoptosis in sepsis and, 1460
Mitogen-activated protein kinase
heat shock and, 2284
Molecular adsorbent recycling system
for poisoning and overdoses, 1436, 1437
Monoclonal antibodies
for sepsis, 1100, 1223, 2173, 2343
Mortality
from acute renal failure, 1669, 1794
after prolonged mechanical ventilation, 61, 291, 1628
albumin vs. crystalloid fluids and, 2029, 2154
from bacteremia, 992, 1083
clinical trials endpoint determination and, S209
drotrecogin alfa for sepsis and, 2199, 2207, 2347, 2348
from endotoxic shock, 1322
from extracorporeal membrane oxygenation for pediatric heart disease, 1061, 1091
fever and, 1489, 1611
hyperglycemia at ICU admission and, 1109, 1224
ICU-based emergency teams and, 916, 1071, 1983, 1984
in intensive care units, 638, 879, 1631
iron supplementation for sepsis and, 1178, 1234
July ICU admissions and, 1161
level of consciousness in ischemic stroke and, 241
mechanical ventilated patients with delirium and, 2254, 2352
mechanical ventilation and, 1504, 1614, 2564
Multiple Organ Dysfunction Syndrome (MODS) score for, 1440
from myocardial infarction with ventilation, 100, 293
neurologic intensive care and, 2311, 2363
N^G-monomethyl-L-arginine for septic shock and, 21, 1625
obesity-related, 998, 1980, 1981
physician predictions of, 1149, 1231
from pneumococcal pneumonia, 625, 876
prediction of ICU admissions from, 70
pulmonary artery catheters and, 911, 1070
small tidal volumes for ALI/ARDS and, 1260, 1409
Mucosa. *See* Gastric mucosa; Intestinal mucosa
Multiple Organ Dysfunction Syndrome (MODS) score, 1440
Multiple organ failure
activated protein C and, S194
in acute pancreatitis, 2524
adenosine immunomodulation for, 273
anti-CD14 monoclonal antibody for, 1100, 1223
clinical course of, 384
CVVH for fluid overload and, 1771, 1805
hypoxemic reperfusion for, 2279, 2358
mathematical modeling of, 2050, 2157, 2159
microcirculation and, 1825, 1963
peptidoglycan and, 546, 613
peroxisome proliferator-activated receptor agonists for, 826
poly (adenosine 5'-diphosphate-ribose) synthetase in, 1365
during pregnancy, 1294, 1418
protein C deficiency in, S223
rosiglitazone for, 457, 604
Multiple trauma. *See* Trauma
Muscle relaxants
up-regulation of acetylcholine receptors by, 509
Myocardial dysfunction
brain natriuretic peptide levels and, 660
N,N',N'''-triacetylglucosamine for prevention of, 184, 304
postresuscitation, S378, 553
sphingomyelinase pathway in, 495, 609
Myocardial infarction
glucose-insulin-potassium therapy for, 906
prognosis and outcomes for, 100, 293
Myocarditis, eosinophilic
in heart transplant patients, 714, 888
Myocardium
matrix metalloproteinases in, 1332
protection by adrenergic receptors, 1041

N
N,N',N'''-triacetylglucosamine
for myocardial depression in septic shock, 184, 304
Natriuretic peptide
in cardiogenic shock, 1643, 1787
Natural history
of multiple organ failure, 384
Necrotizing fasciitis
case report of, 278
early recognition scoring system for, 1535, 1618
Neonates. *See also* Infants
tracheal intubation premedication for, 565, 614
Nerve injuries
blood flow during hemorrhage and, 740
Neural networks
for cerebral microdialysis, 2428, 2551
Neurointensivists
mortality and length of stay with, 2311, 2363
for neurologic intensive care, 2191, 2346
Neurologic intensive care
cooling systems for, 2508, 2558

- fever and outcomes in, 1489, 1611
mortality and length of stay with, 2311, 2363
neurointensivist-led teams for, 2191, 2346
osmole gap and mannitol concentrations in, 986
Neurologic outcome
of aortic aneurysm repair, 1346, 1426
brain-derived neurotrophic factor and, S359
for cardiac arrest and, 806, 897
fever and, 1489, 1611
granulocyte colony-stimulating factor and, 2274, 2357
hypothermia during CPR and, 2120, 2164
Neuromuscular blockade
gas exchange in ARDS and, 113, 296, 1628, 1629
sepsis and, S554
Neuron-specific enolase
cardioverter-defibrillator implantation and, 2367
Neurons
apoptosis in sepsis, 1764, 1804
Neurotrophic factor
brain-derived, S359
Neutropenia
fever in, 2131
Neutrophil elastase
inhibitors
for acute lung injuries/ARDS, 1695
Neutrophils
apoptosis in sepsis, 1460, 1604
in blast overpressure wave injuries, 1028
intestinal permeability in burns and, 2267, 2356
low vs. high tidal volume and, 2471, 2553
overstretch-induced lung injuries and, 514
in postburn intestinal barrier dysfunction, 1730, 1803
in septic shock, 1904
Newborns. *See* Neonates
N^G-monomethyl-L-arginine
for septic shock, 1, 13, 21, 282, 1625
Nicotinamide adenine dinucleotide phosphate (NADPH)
in sepsis, 818
Nitric oxide
glucocorticoid receptor binding and, 2304, 2362
inhaled
carboxyhemoglobinemia and, 2537
for sepsis, 2134
for ventilator-associated lung injury, 1872
Nitric oxide synthase
glucocorticoid receptor binding and, 2304, 2362
for gut barrier failure in burns, 2476
Nitric oxide synthase inhibitors
for septic shock, 1, 13, 21, 282, 1625
Noninvasive ventilation
for do-not intubate patients, 2002, 2148
helmet delivered, 2090, 2162
for hypoxemic respiratory failure, 2516
long-term outcomes of, 372
palliative care and, 881
Pseudomonas aeruginosa
pneumonia and, 2502
for pulmonary edema, 1860
for sepsis, S548
Norepinephrine
cardiovascular effects in brain injuries, 1049
pulmonary vascular bed pressor response and, 2300
right ventricular function and, 1035, 1087
for septic shock, S455
for vasodilatory shock, 1266, 1411, 1434
Normothermia
for brain injuries, S43
Nosocomial infections. *See also* Catheter-related infections; Pneumonia, nosocomial; Pneumonia, ventilator-associated
caloric intake and, 350, 591
continuing medical education for, 2014, 2150
for hand hygiene and, 358, 592, 1447
in pediatric intensive care units, 839
pneumonia and
pancreatitis comorbidity, 1997
prevention of, 1396
rotating empirical antibiotic schedules for, 53
Nuclear factor- κ B
hemadsorption removal of, 801, 896
hyperbaric oxygen therapy and, 1722
N-acetylcysteine and, 1093
for pancreatitis, 1453, 1603
peptidoglycan-induced organ injury and, 546, 613
in sepsis, 1239
vascular cell adhesion molecule upregulation and, 77
Nurses
ratings of quality of dying, 1648, 1789
Nutritional support. *See also* Enteral nutrition; Parenteral nutrition
Canadian guidelines for, 2260, 2354
nosocomial bloodstream infections and, 350, 591
- ## O
- Obesity
ICU mortality and, 998, 1980, 1981
preoperative care for, S87
Obstetric patients
prognostic factors in ICU admissions for, 1294, 1418
Oligodeoxynucleotides
for pulmonary inflammatory response, 2045
Open lung ventilation
for meconium aspiration, 443
for severe chest trauma, 968
surfactants and, 774
Oral decontamination
of ventilator-associated pneumonia prevention, 126
Orders. *See* Medical orders
Organ donors
certification of brain death in, 1284, 1417, 2564
dead-donor rule for, 1241, 2561
Organ failure. *See* Multiple organ failure
Osmole gap
mannitol concentrations and, 986
Outcomes. *See also* Neurologic outcome; Prognosis
for acute stroke, 2332, 2365
for ALI/ARDS in trauma patients, 327, 583
for atrial natriuretic peptide for renal failure, 1310, 1421
clinical trials endpoint determination and, S209
cost-effectiveness evaluations and, 299
hospital volumes and quality of care for trauma and, 1477, 1608
for intensivist telemedicine programs, 31, 287, 1632
July ICU admissions and, 1161
mortality-based prediction of ICU admissions, 70
for myocardial infarction with ventilation, 100, 293
neurointensivist-led teams and, 2191, 2346
for noninvasive ventilation of COPD patients, 372
postoperative troponin T levels and, 1866, 1970
for sepsis, S595
for subarachnoid hemorrhage, 832, 902
Overdose
albumin dialysis for, 1436, 1437
aspiration pneumonia in, 88
Overstretch-induced lung injuries
neutrophils and, 514
Overweight patients
defibrillation, resuscitation and survival in cardiac arrest, S387
Oxazolidinone antibiotics
removal by renal replacement therapy, 2437
Oxidative stress
in acute lung injury, 755, 892
impaired surfactant function and, 1156
N-acetylcysteine
aggravation of, 525, 610
N-acetylcysteine with deferoxamine for, 342, 589
sesame seed oil for, 227
Oxygen delivery
diffusion limited, 1384, 1429
Oxygen saturation
in sepsis, S448, 1626, 1627
Oxygenation. *See also* Tissue oxygenation
alveolar recruitment in and, 968
dopamine and, 150, 301
neuromuscular blockade and, 113, 296, 1628, 1629
prostacyclin for, 1055, 1089
red blood cell storage and, 364, 594, 1442, 1443, 1444
Oxygenators
hollow-fiber, for total liquid ventilation, 2104

P

- P-selectin
 - in hemorrhagic shock, 760
- P38 mitogen-activated protein kinase. *See also* Mitogen-activated protein kinase
 - heat shock and, 2284
 - vascular cell adhesion molecule upregulation and, 77
- Pacemakers
 - perioperative care for, S155, 1809
- Packed red blood cell transfusions
 - leukocytosis after, 439, 600
 - for sepsis, S448
 - ventilator-associated pneumonia risk and, 666
- Pain
 - assessment and behaviors, 599
 - during six common procedures, 421, 599
- Pain management
 - for chronic critical illness, 1527, 1617
 - for end-of-life care, 1781
- Palliative care. *See also* End-of-life care
 - for chronic critical illness, 1527, 1617
 - noninvasive ventilation and, 881
 - nurse ratings of the quality of, 1648, 1789
 - standardized order withdrawal of support form for, 1141, 1230, 1981, 1982
 - for terminal dementia patients, 1839
- Pancreatitis
 - CD14 receptor expression in, 2457
 - ethyl pyruvate vs. Ringer's lactate for, 1453, 1603
 - evidence-based recommendations for, 2524
 - P. aeruginosa* pneumonia and, 1997, 2147
 - toll-like receptor 4 in, 1759
- Pancuronium
 - up-regulation of acetylcholine receptors, 509
- Paramedics
 - hyperventilation by, S345
- Paraplegia
 - blood pressure and, 1346, 1426
- Parasympathetic nervous system
 - in trauma, 1300, 1420
- Parenteral nutrition
 - Canadian guidelines for, 2260, 2354
- Partial liquid ventilation
 - for acidified infant formula-induced lung injury, 209
 - for acute lung injury, 2085
- Patient positioning
 - for ARDS, 1441
 - dorsal lung density in ARDS and, 83
 - early enteral nutrition tolerance and, 94
 - for positive end-expiratory pressure, 2039, 2156
- Patient safety
 - electromagnetic interference and, 928, 1074
- Patient transport
 - guidelines for, 256, 305
- PCO₂
 - for detection of muscle ischemia, 232
 - gastric feeding in children and, 241
- Pediatric intensive care units. *See also* Children; Infants
 - guidelines and levels of care for, 2117
 - rate, timing and incidence of infections in, 839
- Pediatric medical education
 - simulations for, S72
- Peptic ulcers
 - continuing medical education for, 2008
 - proton pump inhibitors for, 1277, 1415
- Peptidoglycan
 - in multiple organ failure and sepsis, 613
 - multiple organ failure from, 546
- Perflubron
 - choked flow during total liquid ventilation with, 201
- Perfluorocarbon
 - for acute lung injury, 2085
 - hollow-fiber oxygenators and, 2104
 - for surfactant depletion, 1200
- Perfluorocarbons. *See also* Partial liquid ventilation
 - Perfusion computed tomography scans for head injuries, 1579, 1621
- Perioperative care. *See also* Preoperative care
 - for abnormal calcium levels, S146
 - for ischemic heart disease, S126
 - liver diseases and, S106
 - lung diseases and, S137
 - for pacemakers and implantable cardioverter defibrillators, S155, 1809
 - for psychiatric disorders, S166
- Peroxisome proliferator-activated receptor agonists
 - for multiple organ failure in endotoxemia, 826
 - for sepsis, 604
 - for shock and multiple organ failure, 457, 604
- Personnel staffing
 - guidelines for, 1808, 1809
 - Leapfrog Group standard for, 1247, 1406
- Phospholipase A2
 - P. aeruginosa* acute lung injuries and, 2293, 2360
- Photobacterium* necrotizing fasciitis
 - case report, 278
- Physical restraints
 - guidelines for, 1977
- Physician-family interactions
 - in ICUs, 2323
- Physiologic derangements
 - in subarachnoid hemorrhage, 832, 902
- Plasminogen activators
 - in lung microvascular endothelial cells, 217
- Platelet count
 - in sepsis, 1004
- Platelet factor 4
 - thrombomodulin-protein C system and, S331
- Platelet transfusions
 - for sepsis, S542
- Platelet-activating factor
 - in ARDS, 1434, 1435
 - for sepsis, 332, 585
- Platelets
 - in septic shock, 1904
- Plethysmography
 - for lung volume measurements, 1241, 1242
- Pneumococcal pneumonia
 - antibiotic therapy for, 625, 876
- Pneumonia
 - aspiration vs. aspiration pneumonia, 1236
 - bacterial clearance in, 747
 - in overdose patients, 88
 - bacterial
 - delayed bronchial lavage cultures for, 680
 - diagnosis of, S466
 - community-acquired American Thoracic Society criteria for, 2398
 - surfactant protein B and, 1115, 1225
- Escherichia coli*
 - granulopoiesis in, 1740
- nosocomial
 - nonresponse to treatment of, 938, 1077
 - prevention of, 1396
- pneumococcal
 - antibiotic therapy for, 625, 876
- Pseudomonas aeruginosa*
 - noninjurious mechanical ventilation and, 2502
 - with pancreatitis, 1997, 2147
- ventilator-associated
 - de-escalation of antibiotics for, 2183, 2344
 - intraluminal volume loss and, 120, 298
 - linezolid vs. vancomycin for, 137
 - oral decontamination for prevention of, 126
 - packed red blood cell transfusions and, 666
 - prevention of, 1396
 - subglottic secretion aspiration in, 2071, 2160
- Pneumonitis, aspiration
 - vs. aspiration pneumonia, 1236
- Poisoning
 - albumin dialysis for, 1436, 1437
- Poly (adenosine 5'-diphosphate-ribose) polymerase
 - in post-cardiopulmonary bypass injury, 2392, 2543
- Poly (adenosine 5'-diphosphate-ribose) synthetase
 - in septic shock and multiple organ failure, 1365
- Polyhemoglobins
 - for hemorrhagic shock, 539, 612
- Polymorphisms, genetic. *See* Gene polymorphism
- Polymorphonuclear leukocytes. *See* Neutrophils
- Positive end-expiratory pressure
 - for acidified infant formula-induced lung injury, 209
 - airway pressure-time curve and, 1018

- lung overinflation and, 1496, 1613
prone vs. supine position for, 2039, 2156
recruitment maneuvers and, 1441, 1442, 2540
for sepsis, S548
tidal volume and, 2471, 2553
- Positive pressure ventilation.
See also Continuous positive pressure ventilation
in hemorrhagic states, S414
for hypoxemic respiratory failure, 2516
for meconium aspiration, 443
for respiratory failure, 2002, 2148
- Postoperative care
emergency teams for, 916, 1071, 1983, 1984
- Postoperative complications
troponin T levels and, 1866, 1970
- Postoperative infections. *See* Nosocomial infections
- Postoperative period
preoperative care and, S75, S76
- Posttraumatic stress disorder
after cardiac arrest, 378
- Posture. *See* Patient positioning
- Potassium
for myocardial infarction, 906
- Povidone-iodine
for central venous catheter infection prevention, 708, 887
- Power failures
crisis response to, 686, 884
- Practice guidelines. *See* Guidelines
- Practice variations
in ARDS treatment, 946, 1079
- Precountershock CPR
for ventricular fibrillation, 1352, 1428
- Pregnancy
ICU admissions during, 1294, 1418
- Prenatal care
obstetric admissions and, 1294, 1418
- Preoperative care. *See also* Perioperative care
airway management planning in, S186, 1984
for diabetes mellitus, S116
for elderly patients, S92
for obese patients, S87
for optimal outcomes, S76
- postoperative care and, S75
for vascular surgery, S174
- Prescriptions
medical order sheets for antibiotics and, 655, 882
- Pressure overload
right ventricular function and, 1035, 1087
- Pressure support ventilation
adjustable ventilator settings and, 781
expiratory trigger settings for, 1844
vs. proportional assist mechanical ventilation during exercise, 409
for pulmonary edema, 1860
- Pressure-volume curves
peak volume history and the inflation limb of, 1352
- Probabilistic thinking
end-of-life decision making and, 1231
- Procalcitonin
in sepsis, 1715, 1801
in septic shock, 1166
- Procedural pain
pain behavior during, 421, 599
- Product line
for critical care, 1207
- Prognosis. *See also* Outcomes
end-of-life decision making and, 649
for ischemic stroke, 241
for myocardial infarction with ventilation, 100, 293
for septic shock, 1166
- Programmed cell death. *See* Apoptosis
- Proinflammatory cytokines. *See* Cytokines
- Prolactin
vasopressin infusion and, 1266, 1411
- Prone position. *See also* Patient positioning
for acute respiratory distress syndrome, 1441
dorsal lung density in ARDS and, 83
early enteral nutrition tolerance and, 94
for positive end-expiratory pressure, 2039, 2156
for ventilation in sepsis, S548
- Propofol
for long-term sedation, 1435
medication errors with, 428
- Proportional assist
mechanical ventilation during exercise with thoracic restriction, 409
- Propylene glycol
lorazepam and, 1709, 1800
- Prostacyclin
for oxygenation in pediatric acute lung injury, 1055, 1089
- Prostaglandin E₂
in burn injury, 795
- Protease-activated receptor-1
ischemic stroke and, S247
- Protease-activated receptors
coagulation, inflammation and, S287
in endotoxemia and sepsis, S293
- Proteases
in endotoxemia and sepsis, S293
- Protective ventilation. *See* Lung-protective ventilation
- Protein C. *See also* Activated protein C
in acute lung injuries and ARDS, S229
antithrombin for sepsis and, 1851
endogenous activation in sepsis, S214
innate immunity and, S280
Margaux Conference on Critical Illness on, S193
platelet factor 4 and, S331
radiation and, S325
in sepsis, S194, S223, 1570, 1620
thrombomodulin and, S325
- Protein C receptors
in inflammatory bowel disease, S266
ischemic stroke and, S247
protease-activated receptors and, S287
in sepsis, S214
structure and function of, S298
- Protein S
in anticoagulation and inflammation, S336
- Protein-bound substances
albumin dialysis for, 1436, 1437
- Protocols. *See* Guidelines
- Proton pump inhibitors
for peptic ulcer-related bleeding, 1277, 1415
for sepsis, S571
for stress ulcer prophylaxis, 2008
- PROWESS trial. *See also* Activated protein C
sources of variability on treatment effect estimates in, 2385, 2542
- Pseudomonas aeruginosa*
acute lung injuries from, 2293, 2360
- noninjurious mechanical ventilation and, 2502
- pancreatitis and, 1997, 2147
- Psychiatric disorders
perioperative care for, S166
- Psychotropic drugs
perioperative care and, S166
- Pulmonary artery catheters
for left ventricular function monitoring, 644
mortality rate and severity of illness for, 911, 1070
- Pulmonary artery pressure
right ventricular function and, 1035, 1087
ventricular volume and, 691
- Pulmonary edema
atrial natriuretic peptide and, 2491
beta-adrenergic agonists for, 1470, 1607
carbenoxolone for, 1910
continuous and bilevel positive pressure ventilation for, 2407, 2546
double indicator method vs. gravimetry for, 811, 899
endotracheal tubes in, 2407, 2546
noninvasive pressure support vs. continuous positive airway pressure ventilation for, 1860
thermodilution monitoring of, 1550, 2561, 2562
- Pulmonary function. *See* Lung function
- Pulmonary inflammation
oligodeoxynucleotides for, 2045
- Pulmonary permeability
atrial natriuretic peptide and, 2491
- Pulmonary surfactants. *See* Surfactants
- Pulmonary vascular bed
norepinephrine-induced pressor response in, 2300

Q

- Quality of care
cost-effectiveness evaluations and, 299
family satisfaction and, 1922, 1975
hospital volumes and, 1477, 1608
nurse ratings of end-of-life care, 1648, 1789
survival and, 2564
- Quality of life
after ICU care, 2564

after prolonged mechanical ventilation, 61, 291, 1628
after rapid defibrillation for cardiac arrest, 963, 1081
end-of-life decision making and, 649

R

Radiation
protein C and, S325
Randomized clinical trials
control group selection for, 852, 904
Rationing
of critical care beds, 1588, 1623
Reactive oxygen species
heme oxygenase-1 and, 1130
reperfusion injury and, 2279, 2358
Readmission
of intensive care survivors, 391
Recombinant human
activated protein C. *See* Activated protein C
Recruitment maneuvers
for acute lung injuries/ARDS, 1441, 1442, 2371, 2378, 2540
with severe chest trauma, 968
Red blood cell transfusions
for anemia, 364, 594, 1442, 1443, 1444
incidence and outcomes for, 39, 290
leukocytosis after, 439, 600
for sepsis, S448, S542
storage time and, 364, 594, 1237, 1442, 1443, 1444
ventilator-associated pneumonia risk and, 666
Regional ventilation
in positive end-expiratory pressure, 2039, 2156
Renal blood flow
arginine vasopressin and, 1891, 1972
Renal failure. *See* Kidney failure
Renal replacement therapy
linezolid removal by, 2437
Reperfusion injury. *See* Ischemia/reperfusion injury
Research design
sources of variability in the PROWESS trial, 2385, 2542
Research subjects
control group selection and, 852, 904
selection bias and, 874

Residents
airway management
education for, 2422, 2549
guidelines for critical care training, 263
July ICU admissions and outcomes and, 1161
Resource utilization
of critical care beds, 1588, 1623
of mechanical ventilation, 1504, 1614, 2564
for sepsis survivors, 981
Respiration, mechanical. *See* Mechanical ventilation
Respiratory failure
from *Aspergillus* tracheobronchitis, 580
noninvasive positive-pressure ventilation for, 2002, 2148
noninvasive ventilation for, 372, 2516
surfactant protein B and, 1115
Respiratory inductive plethysmography
for lung volume measurements, 1241, 1242
Respiratory rate
in hemorrhagic states, S414
recorded by emergency medical teams, 1983, 1984
in trauma, 1300, 1420
Restrains. *See* Physical restraints
Resuscitation. *See* Cardiopulmonary resuscitation; Fluid resuscitation
Rho kinase signaling
drotrecogin alfa and, S302
Right ventricular function
norepinephrine/dobutamine and, 1035, 1087
pressure overload and, 1035, 1087
single-beat method for, 1886
Right-to-left shunt
in ARDS, 308
decompression sickness and, 1983
Ringer's solution
for pancreatitis, 1453
Rosiglitazone
for multiple organ failure, 604
for shock, 457, 604

S

S100 protein
cardioverter-defibrillator implantation and, 1093, 2367
S100B protein
for hypoxic-ischemic encephalopathy, 131
levels in carbon monoxide poisoning, 2128
Safar Symposium
introduction to, S41
Safar, Peter J.
Arthur S. Levine on, S12
career of, S3
contributions to intensive care, S8
Mark A. Nordenberg on, S11
quotes about and photos of, S13
simulations and, S56
a supplement in honor of, S2
Saline solution
for hypothermia induction, S425
Satisfaction
family conferences and, 1484, 1609
quality of care and, 1922, 1975
Scombroid poisoning
biventricular mechanical circulatory support for, 1957
Scoring systems. *See also* APACHE scores;
Severity of illness
for brain injured patient sedation, 2403, 2545
for disseminated intravascular coagulation, 2416, 2548
for necrotizing fasciitis, 1535, 1618
Seafood poisoning
biventricular mechanical circulatory support for, 1957
Sedation
administration of
isoflurane for, 2241
for brain injured patients, 2403, 2545
daily interruption of, 1272, 1413
long-term, 1435, 1436
scoring systems for, 2403, 2545
sepsis and, S554
Selection bias
in clinical trials, 874
Sepsis
N-acetylcysteine for, 1445, 1446
activated partial thromboplastin time waveform analysis for, 520
activated protein C
(recombinant) for, S194, S202, S534, 618, 1011, 1086
evidence-based review of, S534
long-term outcomes of, 2199, 2347, 2348
mortality and resource utilization with, 2207, 2347, 2348
activated protein C
(endogenous) in, S194, S214
acute lung injury and bacteremia in, 489
adjunctive therapies for, S562
adrenergic agents for, 1916
afelimomab for, 2173, 2343
1-aminobenzotriazole for, 502
animal models for, S219
anti-CD14 monoclonal antibody for, 1100, 1223
anti-TNF therapy for, 2061
antimicrobials for, S495
antioxidants for, 610, 1445, 1446
antithrombin for, 1851, 1968
arginine metabolism in, 2134
arginine vasopressin in, 194
atrial natriuretic peptide and, 2491
bacteriologic diagnosis for, S466
blood transfusions in, S542
bovine antimicrobial peptide vs. antibiotics for, 2485, 2555
brain natriuretic peptide levels in, 660
calcitonin and procalcitonin in, 1715, 1801
central venous vs. mixed venous oxygen saturation in, 1626, 1627
in children, S591
classifying infectious agents for, 1510, 1616
clinical trials for, 2385, 2542
corticosteroids for, S527
cost of care for survivors of, 981
cytochrome P450 in, 502, 1186
cytokines and chemokines in, 1570
deferoxamine for, 342, 589

- early goal-directed therapy for, 314, 315, S448
- endothelial cell apoptosis in, 901
- endotoxin adsorber system EN500 for, 1662, 1792
- evidence-based guidelines for, S446
- factor V Leiden polymorphisms in, S233, S239
- fluid resuscitation for, S451, S591
- genetic polymorphisms in, 569
- guidelines for, S595, 858, 1448, 1598, 1601, 2167, 2168, 2169
- guidelines for hemodynamic support in, 1928
- hemostatic gene polymorphisms and, S312
- heparin for, S534, S571, 874
- histiocytic hyperplasia with hemophagocytosis and, 1316
- hyperbaric oxygen therapy for, 1722
- immunosuppressive agents and, S578
- infection source control in, S513
- inter- α inhibitor proteins for, 1747
- iron and, 589, 1178, 1234
- lactate clearance in, 1637, 1785
- leukocytes and endothelial cells in, S280
- mAB-T88 antibody in, 617
- microparticles in, 818, 901
- mitochondrial permeability transition in, 478, 607
- N-acetylcysteine for, 342, 589, 1093
- neuron apoptosis in, 1764, 1804
- neutrophil apoptosis in, 1460, 1604
- nicotinamide adenine dinucleotide phosphate (NADPH) in, 818
- nuclear factor- κ B in, 1239
- outcomes for, S595
- peptidoglycan and, 546, 613
- peroxisome proliferator-activated receptor agonists for, 604
- preseptic hypothermia for, 1899, 1974
- protein C in, S194, S223, 1570, 1620
- protein C receptor and, S298
- recombinant platelet-activating factor for, 332, 585
- red blood cell transfusion for, S448
- sedation, analgesia and neuromuscular blockade for, S554
- short-term mortality in clinical trials for, 1440
- stress ulcer prophylaxis for, 1626
- supportive therapies for, S571
- survival models for, 700, 885
- thrombopoietin levels and platelet counts in, 1004
- tissue factor, protease-activated receptors and proteases in, S293
- with trauma, 2234
- tumor necrosis factor polymorphisms and, 1237
- Septic shock
- antimicrobials for, S495
 - brain natriuretic peptide levels in, 660
 - in children, S591
 - continuous renal replacement for, 932, 1075
 - corticosteroids for, S527
 - evidence-based guidelines for, S446
 - fluid resuscitation for, S451
 - glucocorticoid receptor binding in, 2304, 2362
 - guidelines for, 858, 1448, 1601
 - healing for, 1, 282
 - hemadsorption for, 801, 896
 - interferon- γ and IL-10 in, 433
 - lactate clearance in, 1637, 1785
 - microcirculation and, 1825, 1963
 - N,N',N"-triacetylglucosamine for, 184, 304
 - nitric oxide synthase inhibitors for, 13, 21, 1625
 - platelets, fibrin and adhesion molecules in, 1904
 - poly (adenosine 5'-diphosphate-ribose) synthetase in, 1365
 - procalcitonin levels in, 1166
 - regulatory T-lymphocytes in, 2329
- thrombopoietin levels and platelet counts in, 1004
- vasopressin in, 312, 313, 315, 1327, 1423
- vasopressor and inotropic support for, S455
- Septicemia. *See also* Bacteremia
- Sesame seed oil for oxidative stress, 227
- Severity of illness. *See also* Scoring systems
- hospital volumes and, 1477, 1608
 - pulmonary artery catheter-related mortality and, 911, 1070
- Shock
- cardiogenic. *See* Cardiogenic shock
 - endotoxic. *See* Endotoxic shock
 - hemorrhagic. *See* Hemorrhagic shock
 - rosiglitazone for, 457, 604
 - septic. *See* Septic shock
 - superoxide dismutase mimetics for, 157
 - ultrasound diagnosis of hypotension with, 1703, 1798
 - vasodilatory
 - arginine vasopressin for, 1433, 1434
 - vasopressin for, 1266, 1411
- Simulations
- for airway management, 2422, 2549
 - for anesthesia training in Denmark, S58
 - of anti-TNF therapy for sepsis, 2061
 - the challenge of, 2157, 2159
 - for crisis response training, S61
 - for critical thinking education, S70
 - for innate immune response in SIRS, 2050, 2157, 2159
 - in medical education, S41, S56, S66
 - for pediatric medical education, S72
- Single-beat method for right ventricular function, 1886
- Sivelestat (ONO-5046) for acute lung injuries/ARDS, 1695
- Skin antisepsis for central venous catheter infection prevention, 708, 887
- Smart aortic arch catheters for suspended animation, S51
- Society of Critical Care Medicine
- Peter J. Safar and, S8
- Sphingomyelinase pathway in myocardial depression, 495, 609
- Spinal cord ischemia blood pressure and, 1346, 1426
- Staffing levels guidelines for, 1808, 1809
- Leapfrog Group standard for, 1247, 1406
- Standards. *See* Guidelines
- Staphylococcus aureus* infections
- bovine antimicrobial peptide vs. antibiotics for, 2485, 2555
 - innate immunity to, 1879
- Status asthmaticus prolongation of expiratory time in, 1542
- Stents
- drug-releasing, 2166
- Stress ulcer prophylaxis continuing medical education for, 2008
- published research on, 2166, 2167
- for sepsis, S571, 1626
- Stroke. *See also* Ischemic stroke
- cooling systems for, 2508
 - futility of care for, 2332, 2365
 - level of consciousness and mortality predictions in, 241
- Stroke volume
- during gasping in ventricular fibrillation, 238
 - impedance threshold devices and, S381, S398
- Students. *See* Medical students
- Study design. *See* Research design
- Subarachnoid hemorrhage acute physiologic derangements and outcomes for, 832, 902
- catheter-based cooling systems for fever from, 559
- cooling systems for, 2508
- Subglottic secretions continuous aspiration of, 2071, 2160
- Substance abuse disorders perioperative care for, S166
- Superoxide dismutase mimetics for nonseptic shock, 157

- Supine position
for positive end-expiratory pressure, 2039, 2156
- Surfactant protein B
risk of ARDS or respiratory failure and, 1115
- Surfactants
aerosol perfluorocarbon therapy for, 1200
open lung ventilation, conventional ventilation and, 774
- Surgical intensive care units
atrial fibrillation in, 722, 890
- Survival
in ICUs vs. care in regular units, 1654, 1791
body weight and, S387
costs of care for sepsis survivors, 981
mechanical ventilation and, 1504, 1614, 2564
quality of care and, 2564
quality of life and, 2564
- Survival models
for sepsis, 700, 885
- Suspended animation
for cardiopulmonary resuscitation, S46, S51
- Sympathetic nervous system
endotoxemic shock susceptibility and, 175
in trauma, 1300, 1420
- Symptom burden
of chronic critical illness, 1527, 1617
- Systemic inflammatory response syndrome
aortic aneurysm repair and, 1170, 1233
apolipoprotein A-I and, 632, 878, 1978
CD14 receptor expression in, 2457
innate immunity to bacterial infections and, 1879, 1971
interleukin-6 and, 1170, 1233
lipoproteins and, 878
macrophage activation and, 1971
macrophage migration inhibitory factor in, 734
mathematical modeling of, 2050, 2157, 2159
nonresponse to treatment of pneumonia and, 938, 1077
- Systolic blood pressure
in brain injured children, 309, 310
- T**
- T-lymphocytes
in septic shock, 2329
- Telemedicine
for critical care, 287, 288
outcomes of remote intensivist program, 31, 287, 1632
- Temperature, body. *See* Body temperature
- Terminal care. *See* End-of-life care; Palliative care
- Tezosentan
for acute lung injury, 766
for endotoxemic shock, 1192
- Theaflavin
for interleukin-8 inhibition, 2097
- Thermal injuries. *See* Burns
- Thermal stress
ventilator-induced lung injuries and, 144
- Thermomodulation monitoring
of pulmonary edema, 1550, 2561, 2562
- Thoracic trauma. *See* Chest trauma
- Thrombin activatable fibrinolysis inhibitor
activation and role of, S320
- Thrombocytopenia, heparin-induced
stroke in, 976
- Thrombolysis
for occluded central venous catheters, 1990, 2146
- Thrombomodulin
in hemostasis, S254
in inflammation, S254
in inflammatory bowel disease, S266
platelet factor 4 and, S331
protein C and, S325
- Thrombopoietin
in sepsis, 1004
- Thyroid hormones
in brain dead children, 2318
- Tidal volume
airway pressure-time curve and, 1018
overestimation and cardiogenic oscillation, 1546
positive end-expiratory pressure and, 2471, 2553
small tidal volumes for ALI/ARDS, 1260, 1409
ventilator-associated lung injuries and, 1817, 1960, 1961, 2496, 2556
- Tissue factor
in endotoxemia and sepsis, S293
- Tissue hypoxia
lactate clearance in, 1637, 1785
- Tissue oxygenation
microcirculation and, 1825, 1963
- preseptic hypothermia and, 1899, 1974
- Tissue plasminogen activator
in lung microvascular endothelial cells, 217
for meningococcal purpura fulminans, 1777, 1806
- Tobramycin
once-daily vs. multiple daily dosing of, 1678
- Toll-like receptor 4
in pancreatitis with endotoxemia, 1759
- Tomography, electrical impedance
for lung mechanics during high-frequency oscillation, 787, 894
- Tonometry, gastric. *See* Gastric tonometry
- Total liquid ventilation
choked flow during, 201
hollow-fiber oxygenator for, 2104
- TPN. *See* Parenteral nutrition
- Tracheal gas insufflation
ventilator-associated lung injuries and, 1961
- Tracheal intubation
premedication for neonates and children, 565, 614
- Tracheobronchitis
respiratory failure and airway obstruction from, 580
- Tracheostomy
early vs. delayed, 1689, 1796
end-of-life decision making and, 649
for prolonged mechanical ventilation, 2219
- Tracheotomy
early vs. delayed, 1689, 1796
- Transesophageal echocardiography
prone position and dorsal lung density in ARDS and, 83
- Transferrin
in blast overpressure wave injuries, 1028
- Transfusions. *See* Blood transfusions
- Trauma
acute lung injuries and ARDS in, 327, 583
hospital volumes and quality of care for, 1477, 1608
hypothalamic-pituitary-adrenal axis in, 404, 596, 1447, 1448
L-selectin antibody for, 2021, 2152
- macrophage migration inhibitory factor in, 734
sepsis with, 2234
sympathetic and parasympathetic activity in, 1300, 1420
- Triage
to ICUs vs. care in regular units, 1654, 1791
for critical care bed utilization, 1588, 1623
- Troponin T
postoperative complications and, 1866, 1970
- Tube feeding. *See* Enteral nutrition; Feeding tubes
- Tumor necrosis factor
heat shock and, 2284
hemadsorption removal of, 801, 896
hyperglycemia and, 1109, 1224
oligodeoxynucleotides suppression of, 2045
in post-CPR left ventricular dysfunction, 1753
in sepsis, 1237, 2061
theaflavin inhibition of, 2097
in ventilator-induced lung injury, 168
- Type 2 diabetes mellitus
glucagon-like peptide 1 for, 848
- U**
- U-74389G
for postresuscitation myocardial dysfunction, 553
- Ultrafiltration
bacteria recovered by, 932, 1075
- Ultrasonography
for emergency department hypotension diagnosis, 1703, 1798
for endotracheal tubes placement, S374
- Urokinase
for occluded central venous catheters, 1990, 2146
- Urokinase-type plasminogen activators
in lung microvascular endothelial cells, 217
- Utilization. *See* Resource utilization
- V**
- Vancomycin
for ventilator-associated pneumonia, 137

- Vascular cell adhesion molecule upregulation from burn patient sera, 77
- Vascular injury acid-base balance and, 1120, 1227
- Vascular surgery preoperative care for, S174
- Vasodilatory shock arginine vasopressin for, 1433, 1434 norepinephrine for, 1434 vasopressin for, 1266, 1411
- Vasopressin during cardiopulmonary resuscitation, S432 for endotoxic shock, 1327, 1423 gut microcirculation in sepsis and, 194 postresuscitation ventricular fibrillation and, S393 in septic shock, 312, 313, 315, S455 for vasodilatory shock, 1266, 1411, 1433, 1434
- Vasopressors in brain dead children, 2318 norepinephrine and, 2300 for sepsis, 1928 for septic shock, S455
- Ventilation, mechanical. *See* Mechanical ventilation
- Ventilator-associated lung injuries. *See also* Pneumonia, ventilator-associated adjustable ventilator settings and, 781 core body temperature and, 144 cytokines and low- and high-volumes and, 168, 302 hyperoxia exacerbation of, 2496, 2556 l-NAME and inhaled nitric oxide for, 1872 lung overinflation and, 1496, 1613 recruitment maneuvers for, 2378 review of, 250 tidal volume and, 1817, 1960, 1961
- Ventilators. *See also* Mechanical ventilation cellular phones and, 928, 1074 hollow-fiber, for total liquid ventilation, 2104
- Ventricular fibrillation after defibrillation, S436 age factors in survival and quality of life after, 963, 1081 amplitude spectrum area measurements and, S356 automated external defibrillators for children, S352 beta-adrenergic agonists for, S440 gasping and stroke volume during, 238 precuntershock vs. initial defibrillation CPR for, 1352, 1428 vasopressin vs. epinephrine for, S393
- Ventricular function heat shock proteins and, 1338, 1425
- Ventricular volume pulmonary artery occlusion pressure and central venous pressure monitoring, 691
- Vibrio damsela* necrotizing fasciitis case report of, 278
- Voluntary reporting system for medical errors, 727

W

- Withdrawal of life support. *See* Life support withdrawal

